<110> Baker,Kevin P.
      Goddard,Audrey
      Wood,William I.

<120> NOVEL POLYNUCLEOTIDES AND METHOD OF USE THEREOF

<140> P..751R1C1

<150> PCT/US00/20006
<151> 2000-07-21

<150> US 60/145,701
<151> 1999-07-26

<160> 504

<210> 1
<211> 478
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 212, 285, 424
<223> unknown base

<400> 1
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tatacagatg cacgcttatt tatacttatg tgtaagtgaa ataaatggca 100

aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150

gaagcagtat agtgtttttt gaaaatagac ttgaattagt tggaaatcca 200

tattgaaaac tntcgggcaa acatttttaa aaaataaaaa aatgatatgc 250

taagaaagaa gagaaaacgg aattacacaa aatgntcaat taaaaccaca 300

aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350

caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400

taatcacttt aaatatcaat ggtntaaata tgtcaattat aagacagaga 450

ttaccagagt ggacacatta tataagct 478

<210> 2
<211> 662
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 51, 62
<223> unknown base

<400> 2
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nttcccgccc gnttccggcc ccccagtgcc gcccttcgcg ggccggaggc 100

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gcgagtctgg gctttggcgc cttcgcagcc gcaggcgaca tcctctttcc 150

tagctaaagc cccaaacgcc caggtggctt cctgggagag cacggctgag 200

cctccgcctt cagatcagaa caggcagagc ctccaagggc ggcttgggcc 250

cagtgcctgc ttatcctgcc cgtctctcca cacttcttct ttccctgtcc 300

gttggagtcc attccttcct ggaaaagcca aagccgcgct cccctaagag 350

tcatgtgtta ctggattaat tgaaattctt gataggtaac agagttttat 400

catcagctta tgattgccta tgactagctc aaagttaagt tttaataaac 450

tagtaagtac aataaacctc attcctaaat acaaggaaaa gaactatata 500

atgaatactt gtctctatgc ccctctcgca tagataacaa taatttaggt 550

ttacctttaa atgaactgca tttaaatgaa attaatttaa atgattgttt 600

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tcagtttgta tacatctgta tctatgtatt tg 682
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<210> 3
<211> 835
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 6, 12, 27, 29-31, 49, 53, 56, 58, 61-62, 66, 68, 71, 74,
      78-81, 85-86, 88, 91, 95, 98, 102, 105, 109, 111, 115, 126-127,
      131, 139, 142, 146-147, 157, 163, 166, 169, 175, 177, 184,
      196-197, 199, 210, 215, 217, 219, 222, 228, 234, 236, 238,
      240-241, 244-245, 257, 260, 263, 271, 279, 287, 291-331, 335,
      337, 345, 384, 392, 418, 438, 459, 465, 478, 499, 501, 507, 533,
      562, 579, 587, 598, 616, 630, 656, 661, 667, 671, 684, 702, 746,
      811, 824-835
<223> unknown base

<400> 3
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ganggngnag nngagnangg nggnggannn naggnngnag naggnccnag 100

anggnaagng nttgnaagaa aggganngcc nggtaaaana gnaccnnccc 150

aagaagngat tanggnggnt tcctngntga aggntgtgga tcccanntnt 200

ttcccgggan ttatngntng gnaacaanat ttcnangngn nacnnaggca 250

aacaatnaan ttnccaaggt nttggtagna tttcccncgg nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatntnggg gttntntcccc 350

tttccccttc cccttttcccc acccccggggg ttcnggttgg tnaagaaaaa 400

aaaaaaaaaa aagaattntg gcgcggcctc ggcggagntg gtgatcggct 450

ggtgcatant cggcntctta ctactggnta ttttggcatt ctgctggana 500

natgttngta aataccaaag tcggcgggaa agngaagttg tttccaccat 550
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aacagcaatt tnttttttag caattgcant tatcacntca gcacttgnac 600

cagaggaaat attttnggtt tcttacatgn aaaatcaaaa tggtacattt 650

aaggantggg ntaatgntaa ngtcagcaga cagnttgagg acactgtatt 700

anacggttac tatactttat attctgttat attgttctgt gtgttnttct 750

ggatcccttt tgtctactta tattatgaag aaaaggatga tgatgatact 800

agtagatgta ntcaaattaa aacnnnnnnn nnnnn 835
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<210> 4
<211> 491
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 181, 213, 251, 335, 345-346, 350, 357, 374, 381, 387, 398, 401,
      403, 427, 442, 447, 451, 463, 481, 484, 486, 489
<223> unknown base

<400> 4
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tataacagat gcacgcttat ttatacttat gtgtaagtga aataaatggc 100

aaaaatgata caaggcatag gaagaagaaa ttaggattat atgctatgta 150

agaagcagta tagtgttttt tgaaaataga nttgaattag ttggaaatcc 200

atattgaaaa ctntcgggca aacattttta aaaaataaaa aaatgatatg 250

ntaagaaaga agagaaaacg gaattacaca aaatgctcaa ttaaaaccac 300

aaaaggaagc aaaagtgtgg aaaacaaaaa ggggnacaaa gaatnnggcn 350

acaaacngca aacagtaaca attntggtaa ncattantcc aattatantt 400

ncnattactc taaatatcaa tgttttnaat atgtctattg tnagacngag 450

nttaccagag agnacacatt atataaggtc ngangngtng g 491
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<210> 5
<211> 637
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4, 12-13, 31, 37, 40, 43-44, 46, 50, 55, 64, 58, 79, 97, 114,
      124-125, 137, 148, 183, 185, 227, 233, 236, 238, 264, 266, 268,
      276, 322, 325, 334, 340, 345, 417, 426, 428, 472, 474-475,
      482-484, 500, 502-503, 509-510, 521, 540, 543, 558, 588-589, 594,
      598, 606, 616, 631, 633
<223> unknown base

<400> 5
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ggaanaaaaa tttnaagnta taccaagnaa aaaattaaat tccaagnatt 100

ggattgaatt cccngggat cttnnagaga tcccttngac tttgaccnaa 150
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gggtccggct ttaggggaag aagttggtgt ttngntgggc cctggtactg 200

aagacgcgtt ccgggtagcc caaagangtt tcntantnac ccaaagcccc 250

gcacccgcct tttntntntt ttcttntggc aggatgaggc gtgcaggcct 300

gggtgaagga gtacttcctg gnaantatgg gaantatggn tatgntaata 350

gtgggtatag tgcctgtgaa gaagaaaatg agaggctcac tgaaagtttg 400

agaagcaaag taactgntat aaaatntntt tcccattgaa ataggccatg 450

aagttaaaac ccagaataaa tnannagcgg annnggatta aaaagacgan 500

trnacaacnn tgattttgta ngtataacta tgggcataan tgnagatttt 550

ttccagangg agctaaacaa agatgttgtg agatatgnng aggntatnat 600

taattntcaa gtttgntcac ataggcgagc ntnaaac 637

<210> 6
<211> 969
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12-13, 25, 46, 49, 53, 64, 94, 118, 134, 140, 153, 155, 164, 172,
      175, 177, 182, 184, 191, 210, 218, 221, 223-224, 240, 242, 250,
      259, 266-267, 272, 276, 298, 305-306, 319, 339-340, 344, 346,
      348, 353, 384, 397, 408, 432, 455, 457, 470, 474, 480, 502, 504,
      519, 525, 559, 579, 597, 625, 629, 631, 634, 645, 649, 655, 657,
      666, 670, 675, 681, 697, 768, 773, 776, 786, 788, 791, 794, 816,
      819, 830, 859, 877, 879, 886, 895, 904, 910, 913, 918, 925,
      927-946, 952, 956, 958, 962, 966, 968-969
<223> unknown base

<400> 6
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ggnaaaattt aaantccagg gtttgggggg atttccccgg ggtncttttg 100

gagttccttt ggacctgnaa caaagggttg gaantaaaan aaaaattaaa 150

aancngggtt tttnggggaa anttnanaat gngnttgggg ncaagaaaaa 200

tgggtttttn gggagggnaa ngnnggttca tttccaaatn gnaggggggn 250

aaaaatttna ggcttnnggg gnaggnggaa aaaaatttcg tagcctcnag 300

gttgnnattt ttaaacctnc agaaggtggc cagccccgnn tcancngntg 350

atnaaggcag atgggaaaag ggggatatgg ggtnataagg gtacctntca 400

cccttttnga aggaaaaaaa gtggtccaca gnatttttgt ttacccaagg 450

gtaananatg gaattttgtn gaanataggn gaatggtgag gcattggaa 500

ananggggggg gggtttttnt tgaanggggg agtaggggta tggtatttta 550

tgggaaaana gttttttggc actaaaccnt tttgaattac ctaatanatt 600

tatgtggaaa cctgtccttt ttttncagnt naanaaaaat ttttncccnt 650

gaaantnatt tttagnaagn atatnaaaag natttttttt ttcaagngtc 700

agaaaccttt tagcatcatt gaagttaaaa tgactgtcca taaacttttc 750

agaaatagta ggcatttnag gcnacnagat ttgtanangg natnttcata 800

gaattatacc agtganttna ccacctgaan cctcttggat cccgtaagca 850

ttctttgcna caaggaaggg aggtatncng ggtaantcct tgaanttttg 900

gacnggaacn atnacttnga atttnannnn nnnnnnnnnn nnnnngccg 950

cngggncntt tntcgngnn 969

<210> 7
<211> 95.
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 3, 7, 23, 30, 38, 49, 53, 64, 68, 84, 90-92, 10?, 130, 147,
      15?, 182, 193, 211, 221-222, 229, 239, 243, 255, 271, 300, 303,
      308-309, 314, 322, 331, 337, 340, 345, 359, 377, 381, 385, 412,
      42?, 452, 463, 469, 475, 541, 547, 586, 777, 780-781, 784-787,
      789, 796, 802-803, 825, 831, 838, 840, 853, 855, 86?, 865, 872,
      885, 889-890, 907, 921-952
<223> unknown base

<400> 7
ngntttngtt ccctttttt ccnggttttn tttttggnaa aaaaatttna 50

ggnttaaccc aggnaaaanat taaattccaa gggntttggn nngaattccc 100

cggggttnc tttaggggt tcctttgacn ttgaaccaaa ggtttcnggc 150

cnggagggg ggggaccgg ttttttcccc cngcgtttcc cccgggntg 200

ggggttgggg ngcccatttg nngaagtnag tggggaggng gantgggaac 250

ccggnagttt tggagaaagg naggttcctt ccttaacct ggggttccn 300

gggnccnng gagnggcagt tnggggaata ntgtttnagn ggttnggggg 350

gtttttcctng ggtcccgcca aggggngggt ncttnataaa agggtgcctt 400

tttccccaca gnttccaggt cngagaggag ccgcaccgtc gggttggaga 450

tngcgcgaa gggnggcttnt ggttnggatt tgccccgcat cggccacagg 500

aaaagcctgg tccctaggca cggttgtggt tcgagctttt ngttttntcg 550

aacattgagg tattcgctca gcccaccacg ttgtcntcgg ggttattagg 600

ccccagtcac aagccctatg atgttttcag acttccaggt tggagataag 650

gaaaatttta ctatttctgt agaacttctg ttgatgtaca gcattgtatt 700

tagcaacttc tgtgtagatc tgaaaataaa tacattacca attgttagtt 750

gcgtttttat taatataatt ttagagnagn ngannnngnt gttagacnta 800

cnnaggtaaa ttatgtggca ctttngcatt nttgttgntn catgttcccc 850

tgnantttgc ttngngattt cnatttattc caaantcann atagaatgta 900

atttccnaac ccacagtccg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 950

nn 952

<210> 8
<211> 752
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4-6, 8, 11, 34, 37, 40, 87, 123, 125, 133-134, 138, 143, 147,
      166, 171, 174, 199, 242, 263, 302, 305, 333, 363, 380, 423, 425,
      463, 527, 534, 539, 547-548, 553, 556, 561, 583, 604, 607, 615,
      618, 621, 624, 628, 638, 641-643, 646, 648, 654-655, 658, 660,
      666, 674, 676, 679, 688-689, 704, 710-725, 727, 730, 735, 739,
      741, 745, 747, 749, 751-752
<223> unknown base

<400> 8
ggannngntt ncaaaatggg atttttaacc aaantanggn agagaaaagt 50

ttaagtgttt tgccaaaaaa attccaagga aaataangcg gagtttgatt 100

tttcagagtt caacaggaaa aangngaaca aanngccngg agntttnaaa 150

gtttgggaa agccantttt natntgttca aggaacagtt tttatttgng 200

atgccaatca gaattttgga cccagtataa tcaaggtcag antttcaacc 250

taagcctgga ccngacccat aataacggaa agtttaacaa tgactcacat 300

tntcntaaag tttccagcca gaataggaca cgntcatttg gtcattttcc 350

cggtccagag ttnttggatg tagagaaaan tagcttttcc caggaacaat 400

tttgtgattc cgcaggagaa ggntntgaaa gaatacatca agattttgaa 450

tttggtgatg aanttagcag cagctccact gaacagataa gggcaaccac 500

acctccaaat caaggaaggc cagattntcc tgtntatgnt aaccttnnag 550

aanngnaaat ntcccagtat ggtcttcccc canttcttgg gagcctggta 600

attnagntta ttggngcntg nganactnat atagacanct nnnggngntg 650

ttannatnan cacagnggga catngnatng aagttggnna cctcttgctt 700

ggantcgcgn nnnnnnnnnn nnnnncntcn ccgcngggnc ntttntngng 750

nn 752

<210> 9
<211> 478
<212> DNA
<213> Homo Sapien

<400> 9
agtttgttaa aaataataat gccaataata tatgttattt tacgtatgtt 50

tatacagatg cacgcttatt tatacttatg tgtaagtgaa ataaatggca 100

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        aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150

        gaagcagtat agtgtttttt gaaaatagac ttgaattagt tggaaatcca 200

        tattgaaaac tctcgggcaa acatttttaa aaaataaaaa aatgatatgc 250

        taagaaagaa gagaaaacgg aattacacaa aatgctcaat taaaaccaca 300

        aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350

        caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400

        taatcacttt aaatatcaat ggtctaaata tgtcaattat aagacagaga 450

        ttaccagagt ggacacatta tataagct 478
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<210> 10
<211> 279
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 10
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        ttttttttt tttttttttg agacggagtc ttgctctgtt acccaggcgg 50

        agtgcagtgg ccatgatctc ggctcactgc actccagccn ggatgacaga 100

        atgagactct gtctccaaaa ataaaataaa ataaaataaa agtgatatga 150

        acataaaagt accttaggtc caaacaatga taacaactaa tatttattgg 200

        gcgcttactg tggtatgcat tgtgttaagc atttcacatg tatttactca 250

        tttaatcctc acaaccatcc taaaaggtc 279
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<210> 11
<211> 171
<212> DNA
<213> Homo Sapien

<400> 11
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        gttccacgtt gcttgaaatt gaaaatcaag ataaaaatgt tcacaattaa 50

        gctccttctt tttattgttc ctctagttat ttcctccaga attgatcaag 100

        acaattcatc atttgattct ctatctccag agccaaaatc aagatttgct 150

        atgttagacg atgtaaaaat t 171
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<210> 12
<211> 615
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 62, 104, 109-110, 134, 147, 159, 170-171, 209, 275, 304
<223> unknown base

<400> 12

cggaattact gttccagccg gctcgggtgg ttttccttgc gttcccgcca 50

cgnqgcggct cntcactaaa aggctgccct tctcccccac agctccaggt 100

cccnagagnn gccgcaccgt cgggttggag atcncgctca agggtgncct 150

ctgggtctnc atctgccccn ncatcggcca caggaaaagc cctggtcccc 200

taggcacgnt cgtggttcga gcttttcgtt ctctcgcaca ttgaggtatt 250

cgctcagccc accacgttgt ccctncgggg ttattaggcc ccagtcacaa 300

gccntatgga tgtttccag acttcccagg tggagataag gaaaattta 350

ctatttctgc agaacttctg ttgatgtaca gccattgtat ttagcaactt 400

cgtgtagatc tgaaaataaa tacattacca attgttagtt gcgtttttat 450

taatataaat cttagagtac ttgatttgc tgttagcttt acttaggtaa 500

attatgtggc actctagcat ttttgttgtt gcatgttcca ttgaactttg 550

ctctgtgttt tccattatt ccaaattcaa aatagatgt aacttccaa 600

ttattctat gtccc 615

<210> 13
<211> 1207
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 567, 675, 710, 733, 831-833, 1036
<223> unknown base

<400> 13

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aagtaatgac acagatggga cctgaacctg ggtctcagga ggcttggtc 100

cctggccaaa ctatgtgact atgtacatcc acctggtttc tgctcatggg 150

ttagtgtgtg acaggaacat tccatgatgg ctgcagcctc catcccaggg 200

gcacttggag aagccattcc actcagcccc cttgaccaga agaacccttg 250

ggatggaaaa gggaatcctg attctgcaac tacgtgctcc catgagatct 300

gattttcagc caggctgat ccgtggctgc cagcaaggaa gccacatcat 350

ctcattgtta ctagactggc ccggctgaaa gattagacaa caacgtttac 400

tttgccatta gccctgcctg gcactcagta tggtattgcc tggctttcag 450

gggcactggt tacagtgtct ccgatgcagg gcagccctg ccaagggcac 500

aggtgttcat aaatattcca tgaaccaatc aaatcagcca tggaatgaga 550

tctaaggaac ctattcncgg caagcctgag acgaacactt aagcatgata 600

atgttatcaa cctggtctga taggcattgg ggcactggtc cctcgcattt 650

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tcaatcaggg tctcacccag ggacngatct ccaacaccaa aaaaacttgg 700

tttttccatn cccattccaa actgggctct ccnccaaatg cccttagggc 750

attgggggca agctggtccc cttggcaggt tttttcattc gaggttctca 800

cccccggggg accggggatc ttccaacacc nnngggggaac cttgtgtttt 850

ccactcccca gtcccagacg tgggctgctt ctccagagat gcccgcaggt 900

tttaaaagtt aaattgatga taactttttt ggctcaagta tagaagtaat 950

acattatcca ttgtagatta tttataggta aataaaattt tttaaatgac 1000

ttttaacccc actacccaga actaaccacc actggnggta gtaaatgaat 1050

atattgattt acttacaaat ataggaccac aagatatggc acatgttttg 1100

caaccaacct gttttgatag gcccagcttg cttctgctgc gctactttat 1150

ttgcaaccca aaccogcttt taaaagaaaa atcatggtct tgtattttac 1200

aagtgat 1207
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<210> 14
<211> 739
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 552, 576
<223> unknown base

<400> 14
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tttcctctaa gagttagcca ctattatccc ttcagagtgg atattcaggc 100

ttttctttcc tggcatggac atacatatgt aaatgtacat atataaaaat 150

aattagtgac accatgcatg gtagctcacg cctgtaatcc cagcactttg 200

ggacgctgag gtgagagaat tgcttgaggc catcagtttg aagctgcagt 250

gatctatgat tgtgcctcta cactccagcc tgggtgacag ggtgagaccc 300

tgtctcttaa aaaaaaattc gtatttgggg ttagtagtag tacctacctc 350

ataggttatt atgggatcag tacagtaggc cagacaaagt gcgtatgcta 400

ttattttgca tgtagtaagt accagcatat actacctgtt atccagaaat 450

ttgctgaaat gtccttgta ttttctctct ttcgattttg atcagtcttc 500

ctagaagtca tcagttgag tttttttaaa gaaccagtgg ttggtttaat 550

gnatttggtt tgttttcttt tccaangatt tctgctttac tccttaataa 600

ttcccttttc tgctggcttt gggttccatt tgttcttctg tctcttctag 650

tttcttaagg taaaggctta gatcattgac ttcagatttt ttgtcttttt 700

taacaagtgt tcaaaactat aatataaatt tccctctaag cattgtttag 750
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ccacatttca caaatttgga aatgtttatt cattttcac 789

<210> 15
<211> 294
<212> DNA
<213> Homo Sapien

<400> 15
ttttattaat tttatttttt ttttaataca gattttccag tgaggggctt 50

tttcaaccc attggttcta ttttcttgta ttttccatt taatttgctt 100

cataacttaa accaagtctc ttctagtctt aggtattatt tctcgatttt 150

gtgctgatgg gcatgtttat aagaactgga gaggtgattt attggaatga 200

actaactgac ttcctccatt cccctcttcc tttttgacat gaattttact 250

acttcaaaaa tgaagaatga tgttatgaag ttaccgtggc aaag 294

<210> 16
<211> 514
<212> DNA
<213> Homo Sapien

<400> 16
cccacgcgcc gctaacccaa tgttcttttt tagaatttca ggttgtggca 50

tccactgagt atgcagctac tatggttttt gtatgggacg tataaatact 100

tgattatata cgacagattt taatgtcttt aaagacttcc tgctgtatta 150

acatattgta atggagtctt ttaaatacta ggttgaattt aattgaagtc 200

acacacatct tgaagtggta actgcatagt aaatactacc aagagttttt 250

ttcacgtggg agtatcctaa aactctgcca tgggtgtaaa tgttttacat 300

taatttcata attggacaga ccctgcattt agcgaaaaca ttttgtttttg 350

aaagtgtgtt cttttttgtcg cactgttact gcgtaacact tctcaacatt 400

ctgtaagtta aattatttta aaataactat ggtgaattca tgtttatttt 450

tttttattt gaaaattgta gtactcaggt ggtatttaat gggaaaggat 500

ccttgggta taaa 514

<210> 17
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 57, 60, 97
<223> unknown base

<400> 17
aatgtcttt ttaggaatt ccaggttntg gcatccacgg gggttgccgc 50

ctactanggn ttttgtaagg ggaccgtata aataactgga ttatatncga 100

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cagatttttta atgtctttaa agacttcctg ctgtattaac atattgtaat 150

ggatctttta aatactaggt tgaatttaat tgaagtcaca cacatcttga 200

agtggtaact gcatagtaaa tactaccaag agttttttc acgtgggagt 250

atcctaaaac tctgccatgg gtgtaaatgt tttacattaa tttcataatt 300

ggacagacc tgcatttagc gaaaacattt tgttttgaaa gtgtgttctt 350

tttgtcgcac tgttactgcg taacacttct caacattctg taagttaaat 400

tatttaaaaa taactatggt gaattcatgt ttatttttt ttacttttgaa 450

aattgtagta ctcaggtggt atttaatggg aaaggatcct ttgggtataa 500

a 501

<210> 18
<211> 197
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 42, 57
<223> unknown base

<400> 18
cttcataact taaaccaagt ctcttcnagt cttaggtatt anttctcgat 50

tttgtgntga tgggcatgtt tataagaact ggagaggtaa tttattggaa 100

tgaactaact gacttcctcc attcccctct tccttttga catgaatttt 150

 actttcac aaatgaagaa tgatgttatg aagttaccgt ggcaaag 197

<210> 19
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 60, 74, 97, 111, 165, 208, 221, 225, 227, 356, 371, 398
<223> unknown base

<400> 19
tggggcccc ccaacccgg cnggtatcca aggaaaaaat ttttattat 50

ggggtttcn ggaactattt gggncctatg gaaatagccc ttaaagngct 100

tacattcatg ngctactta acatgaatgg agaaaatccg tttatggaag 150

tacagtgaca attgnccaa tcactctgtc catcaaacca ctcaggctag 200

tttgtacnag tagagttttg nttcnanttt tatttttatt aatttttattt 250

ttttttaat acagattttc agtgaggggc tttttcaacc ccattggttc 300

tattttcttg tatttttcca tttaatttgc ttcataactt aaaccaagtc 350

tcttcnagtc ttaggtatta nttctcgatt ttgtgctgat gggcatgntt 400
```

ataagaactg gagaggtaat ttattggaat gaactaactg acttcctcca 450

ttcccctctt ccttttgac atgaatttta ctacttcaca aatgaagaat 500

gatgttatga agttaccgtg gcaaag 526

<210> 20
<211> 379
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 103, 125, 127, 204, 219, 378-379
<223> unknown base

<400> 20
aagctccgga agactatgca cccaagcacc aaacttccan ccagagagag 50

agacgtcctc cgataacaaa aatccttgct tcctctgtct gtgacttac 100

acncagttgt tcaaagttgt taaangncaa gagtcaatca catccctagg 150

actaccccc aactctcctg actcttatgt tattgaaaaa acaaacaaac 200

aaanactcct ttatgatgnt attcaacttg agtgggtttt ttttttccac 250

tttcgtcctg gatataatga aatgatacat attaggataa attttcactg 300

tgtatagtag caatacgaac acacatgcca atgtatcaac atatctactt 350

ggttacattt tggtttatga taatcgann 379

<210> 21
<211> 408
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 102, 153, 167, 230, 251
<223> unknown base

<400> 21
tggaataact ggaaatttat tggatccagg ttccacattg gcagtttgga 50

aactactacc aaaaagattt caccaattta caatccatc attagtaaga 100

angcctgttt gcctatagtc tgccaacctg aacccttaaa aattttgcc 150

aanctggtag gcaaaantct ttcttttctt tgaatattaa tgaggaggaa 200

catcttttca tgtttcttgg ccatttgcan ttcctattat gaattgcttc 250

nggcccattt tccttttttt aattatgaaa gtctaatgac taccttctca 300

ttgtataaaa aacacagttc tttgaataga gagacccttt tctccaatgc 350

taccaatcac attccactta ccacagttta acatacatcc tctagtcacc 400

tttcccga 408

<210> 22
<211> 453

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 87, 175, 263, 297-298
<223> unknown base

<400> 22
tagggtccta ttggttgcct aagcatactt nttaacttgt gccattggcc 50

tttacttta tggagttttc aggaaactat tttatancat ctagttattt 100

agtctacgta tctctattta gtggagcctt ttcccctcaa ataatatatt 150

ttatcattt tggacttata taaancataa ttaaataaat tttttcttaa 200

tactgttgga ctttgtatat acaagttcag ataacttttt cgaagatagt 250

ttcttatata aangtaattt aatttttttt actcttctat acagttnntt 300

agatgtaaag gaattagcac aatctctggc agttttataa aagctgttga 350

agttcttgtc ctgcactgtc tttaggtatc ataggtatca ggtttgcttt 400

gtgttaatgc cacttcaagt cattatttgg tttctgctat tttttacct 450

gag 453

<210> 13
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 45, 201-202
<223> unknown base

<400> 13
atacatatat atgtgtgtgt gtgtgtgtgt gtgtatgtat anatntaatc 50

atttacactc ttttgggggt caagaatttg aatgaagaaa aacaaatcca 100

attaatttg gcttccagtt acttctgata aaatcagtga aggttcttgg 150

attttgaaat ctcagttgtg cattgctttt tttagatcct gccaggttac 200

nnttttttaa ataacatgta caaattcatc tttttcagta tagactattg 250

taagtttttg gaaattgtta tagtcataga accatgatca ctaacaagat 300

atattccccc actccaaagt cctatgtgtt cctttttgtag ttaacctgtc 350

accccac 356

<210> 14
<211> 498
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 49, 102, 141, 147, 171, 324-325, 339-341

<223> unknown base

<400> 24
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atccttgacc caacgcggcc ccccgaccgn ttcatggcca aacgcgggnc 50

ttcagctgtt gggcttcatt ctccccttcc tgggatggac cggcgcccat 100

cntcagcact gccctgcccc agtggaggat ttactcctat nccggcnaca 150

acatcgtgac cgcccaggcc ntgtacgagg ggctgtggat gtcctgcgtg 200

tcgcagagca ccgggcagat ccagtgcaaa gtctttgact cccttgctga 250

atctgagcag cacattgcaa gcaacccgtg cctttgatggt ggttggcatc 300

ctcctgggag tgatagcaat cttnntggcc accgttgtnn ntgaagtgta 350

tgaagtgctt ggaagacgat gaggtgcaga agatgaggat ggctgtcatt 400

gggggcgcga tatttcttct tgcaggtctg gctattttag ttgccacagt 450

atggtatggc aatagaatcg ttcaagaatt ctatgaccct atgaccga 498
```

<210> 25
<211> 466
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 304
<223> unknown base

<400> 25
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tttctttttt tctcttttt aaattacctt tgttttgcgg taaggagttg 50

aggaatttgt ggtggcaggg aagtaatgta agttgcttta taactcactg 100

tctaataaag tttgaaaat ttgtctgata tgtaattagg tactttaggg 150

ttattaggtt ttcataaaaa ttctggttag ggctcttgcc ctgctcccaa 200

tgaaagcctt tctacagggc aaatataaaa gagagagtag agggaatccc 250

cctgaggttt aaataagtca aaccagtaag taatagtgct aagtttgtca 300

gtgnctctc tttcttactg tacttaacat ctaaagggca cctcatttat 350

tttcagctaa ttatgttctt tatgagtgac tgtcaaatca gggaagggtg 400

tgangatcat gtggagatac cttttctaat taatagctgc cttgctcctc 450

aagattctga cgaacc 466
```

<210> 26
<211> 409
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 36, 68, 77, 119, 235, 248, 250-252
<223> unknown base
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<400> 16
cttcttgaca ctgccctttc ccttcccccn tcccancctg cccgacccat 50

gccrgngggc gtgcccangt cccaccntac ttgaaaaatg ttcgccagcc 100

agtctccttg gcccatgtnc gcagggg cag aagtggtgcc acaggtacta 150

ccgacnggac ctgacaatac ctgaaattcc caccaaagcg tggagaactc 200

aaaacugagc ttttgggact gaaagaaaga aaacncaaac ctcaagtntn 250

nncnanagga ggaacttaaa taactacgtc caagaattct gtgaataata 300

taactnttaa atatgtattt cttaatttat tgcatcaaac tacttgtcct 350

taaacactta gtctaatgct aactgcaaga ggaggtgctc agtggatgtt 400

taggcncga 409

<210> 17
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 42, 62, 79, 81, 129, 132-133, 176, 179, 229-230, 248, 375
<223> unknown base

<400> 17
cgtcaaacac ccctttattt ccttcataac tactcantat gnctatttcc 50

ttcacnagat gnaagctcct gagctcagnc nctgactgtc tttttcaaca 100

ctgacnagta cataacaggc acccaatnant tnnttaattg tggtaaaata 150

taacatnacaa agttaccatt ttaagnatnt aattcagcag cgttacatac 200

attnanattg ttgtgcaacc atcaccannn tccatctccg gaactttnta 250

tcttcnnaag ctaaggctct tggcccatta aacaataact tctaattgca 300

nccntnnctg tccaccctgg tgaccatcat tctgcactct atgaatttgg 350

ctanttnatg tcccccaaat aagtngaatc ataccgaccc 390

<210> 18
<211> 402
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 105, 115, 245-246
<223> unknown base

<400> 18
tggcatgtgg gcccatttca gtttccctac atgttcccaa aanttattta 50

aattactgtg tccaaaatta tgaggacagt gtcattcatt caccatagtt 100

tatantctta gttanatatc aaacttcctt ggcacctagg ataagaacat 150

ttcttttgaa gttatccaat ttttttttat ttttacttga cttgaaggaa 200

agttggaaaa tatggtggaa aaaatcttcc gcattaaaag ggtcnntaaa 250

aacaaccat ttacgatctc agtcagcaga tttactctac tcaaggaaaa 300

aaagaaacaa tcttattgga agcagatgtt gacactgtgt cagttattga 350

agacggaagg agttcacttg agccattgca gttacaaagg ggtattgatc 400

ga 402

<210> 29
<211> 400
<211> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 47, 112, 134, 142, 144, 149, 177, 183, 234, 251, 257, 287, 347
<223> unknown base

<400> 29
tntgcccctg aaatatacaa gggtcatgcc caaattaana caggttnacc 50

tttgtagagg taaatatgtt ggcattattt attgacattt atgcttcaag 100

catgtcttat tntatgtaat tttaagaaat actntattta antngtgana 150

tatacctaaa agcatactag ttagctntta gantctcact tagggagggt 200

aaagaaacat cactgatgcc aatatgaaga tttntaaaca aatcctttgt 250

ntagaanttt tttcttttcg tgcacctcac aacacantta ccatcgnacc 300

<210> 70
<211> 540
<211> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 85, 105, 114, 146, 153, 169, 178, 227, 231, 235, 253, 256, 268, 343, 373, 443, 486, 531
<223> unknown base

<400> 30
ggccggttct tttaagatct ttgacctgan ccaaagtttc ggggaagggg 50

gggttgccca ggtggagtgc atggggatt ttggnttaat gcaagttccc 100

cttccngtgt taangccatt ttcctgcttc agctttttg agtagntgga 150

aanacaggcg cccgccaana cacctggnta atttttgta ttttcagtag 200

agacggggtt tcaccgtggt ttcaatntcc ngacnttgtg atccgcccgc 250

ctnggnttgc caaagtgntg ggattataag cgtgagccac cgcgcccggc 300

cgagatgttt tgatacaggc atgcaatgtg aaataatcag atnatagaca 350

atgaggtatc catcccctcg aantttatc ctttgtgtta ctaacaatcc 400

cgtgaacact tttttagtta ttttaaaatg tataattagt tantactgac 450

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```
    tatagtcaac cctgttatgc tgtcaaataa tagatnttat tcattcttac 500

    tgtttttttt gtactcatta actgttctca nngccgaacc 540

<210> 31
<211> 168
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 55, 61, 112, 156, 165
<223> unknown base

<400> 31
  gnttttttttt tttgaagcga acttttgcta tattgctaag gctagttttg 50

  aactcntggg ntcaagcaat actgccttga cctcctaaag tgcttggatt 100

  acaggcatga gntactgcgc ctggcctgca atatgtattt taagctactt 150

  tnttntttat tccgnacc 168

<210> 32
<211> 534
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 98, 118, 504, 513
<223> unknown base

<400> 32
  tgtcgangcg aatgccccgc gggcggagaa ctgggctccc accgaggagg 50

  ctggaggcag gttcgctgtg gttcccctc ccgacttggc agagctgncg 100

  ggagctctct gaggtccntc gagagtaccg gaaggagcac cagactacgt 150

  gttcccrgct cttctgcggc gcctacctct acaaataggg ctttgccatc 200

  cccggctcca gcttcctgaa gttttagctg gtgcccttgt ttgggcccat 250

  ggctggggct tctgctgtgc tgtgtgttga cctcggtggg tgccacatgc 300

  rgctacctgc tctccagtat ttttggcaaa cagttggtgg tgtcctactt 350

  tcctgataaa gtggccctgc tgcagagaaa ggtggaggag aacagaaaca 400

  gcttgttttt tttcttattg tttttgagac ttttccccat gacaccaaac 450

  tggttcttga acctctcggc cccaattctg aacattccca tcgtgcagtt 500

  cttnttctca gtncttatcg gtttgatccc cgga 534

<210> 33
<211> 301
<212> DNA
<213> Homo Sapien

<400> 33
  aaaaaaaaaa aaaactgcct ttcttcccct cagtcaactt ttgtgctcca 50
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  gaaaattttc tattctgtaa gtctgagcgt aaaacttcag tattaaaata 100

  atttgtacat gtagagagaa aaatgacttt ttcaaaaata tacaggggca 150

  gctgccaaat tgatgtatta tatattgtgg tttctgtttc ttgaaagaat 200

  tttttttgtt attttacat ctaacaaagt aaaaaaatta aaaagagggt 250

  aagaaacgat tccggtggga tgatttaac atgcaaaatg tccctggggg 300

  ttcttcttt gcttgctttc ttcctcctta cctacccc cactcacaca 350

  cacacacaca c 361

<110> 34
<111> 513
<112> DNA
<113> Homo Sapien

<220>
<221> unsure
<222> 25, 81, 107, 357
<223> unknown base

<400> 34
  accccggcatt agggaggcga ggtgngcaat gtcttaaccc cgggctcaac 50

  cagtcctccg gcttctgctt cccaaggtgt ngggattgcc aggctggagc 100

  ccattgngcc cagtctattg tatagtttta aaaaacaaa accaaaaggc 150

  taataaatgg cacccctttg caagtcttc cctctcctt tctttttcct 200

  tcccagtgtc tcctacttct ctgacctagt tgacagcatt atactttgg 250

  atgttggtag catgtataaa gtacattatt acataacaag ttaatataac 300

  ataatagttt caagggtttt gccacttaat tatactaagt tacttaacct 350

  ctcaatncct tatctgtaga ttttgttttt gataggtgg gatagtaata 400

  gtaactacaa ggtttcacaa ggttgtgaaa ttgaatgaga aatacatggc 450

  actttaacaa gtcactatgg attatttaat ttcttttctt cttcttctgc 500

  tgctgcttct ccc 513

<110> 35
<111> 445
<112> DNA
<113> Homo Sapien

<400> 35
  actatggtaa atagttatac tgtattggtt taggaaataa tggccatttt 50

  taaaagtctg tacatgttca gtacagacac agtcttttg aagtattttt 100

  tatccctcct ttgttgaatc ccatggatgc agaaccatgg atatgaaggg 150

  ctgactatat ttcacagtt atattcaagt tgtattttga atgatttat 200

  gacaatcttt taccaaaggg ccaactgtat tctcatgttt attattcaag 250
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ttgtatgaca atttcatatc agcccccag agagttggca tttggattga 300

aatcatactg agtctctaga ttaatttagg gagaagtgac atctttataa 350

ttttgaatct tcctatccat gtatatgcga gtgttttgta tttcagtggc 400

attttcaaat ttcttcagg taggtctctt agtgtttatt cccga 445
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<210> 35
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 50, 60, 123, 127, 370, 395, 397-398, 402-403, 405-407
<223> unknown base

<400> 35
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attctctccct cctggatgga tcgcaccacc gtcacattgc cttccccan 50

tggaggattn actcctatgc tggcgacaac atcgtgaccc cccaggccat 100

ttacgaggg gctttggatg tctgtgctgt cgcagagcac cgggcagatc 150

ccagtgaaa gtctttgact cctgctgaa tctgagcagc acattgcaag 200

caacccgtgc cttgatgggg ttggcatcct cctgggagtg atagcaacct 250

ttgtggccac cgttggcatg aagtgtatga agtgcttgga agacgatgag 300

gtgccagaag atgaggatgg ctgtcattgg gggcgcgata tttcttgttg 350

cagttctggc tatttagtn gccacagcat ggtatggcaa tagantnntt 400

cnnqnnntct atgaccctat gacccaagtc aatgccaggt acgaatttgg 450

tcaggctctc ttcactggct gggctgctgc ttctctctgc cttctgggag 500

gtgccctact ttgctgttcc tgtccc 526
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<210> 37
<211> 375
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 200
<223> unknown base

<400> 37
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ttttttttct tgtttaagct gactctttgc tctaatttttg gaaaaaaaga 50

aatgtgaagg gtcaactcc acgtatgtgg ttatctgtga aagttgcaca 100

gcgtggcttt tcctaaactg gtgttttttcc cccgcatttg gtggattttt 150

tattattatt caaaaacata actgagtttt ttaaaagagg agaaaattta 200

tatctgggtt aagtgtttan catatatatg ggtactttgt aatatctaaa 250

aacttagaaa cggaaatgga atcctgtca caaaatcact ttaagatctt 300
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ttcgaagctg ttaattttttc ttagtgttgt ggacactgca gacttgtcca 350

gtgctctcac ggcctgtacg gacac 375

<210> 34
<211> 403
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 64, 153
<223> unknown base

<400> 34
cccaacttgg aggtggagac tatggagntg atcggatggg cccggggcag 50

actttctcct tggngctgtt ctcgtgatag tgaataaggc tcaccagatc 100

aggtttaaaa gtgtgtagcc tccccattct ctctcttcct catccagcca 150

tgtaagicnt gcctgcttcc ccctcacctt ctgccagggt tgtaagtttt 200

ctgaggnctc ccagccatgc ttccctgtac agcctgtaga accatgagcc 250

aattaaacct attttctta taaattatcc agtctcaggc atttctttat 300

agcagtgtga gagtggacta atagagctag ttattagtag agccaagatt 350

taaattagag cttgctggct cccgagttct actttctcaa acctatgtt 400

aagctattgt ccacagcatt caacattgtt gaattatctt tgtcaactaa 450

cttggaagt cttaaatttt gtcctaatcc tgtcccctat tcc 493

<210> 35
<211> 123
<212> DNA
<213> Homo Sapien

<400> 35
rttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50

cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100

gctatttgct tattccgtgc gaa 123

<210> 40
<211> 119
<212> DNA
<213> Homo Sapien

<400> 40
rttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50

cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100

gctatttgct tattccgtg 119

<210> 41
<211> 303
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 61, 91, 144, 238-239, 262, 265-266, 271, 274
<223> unknown base

<400> 41
aqqagcaacgg cagatcccag tncaaagtct ttgacccttg ctgaatctga 50

gcagcacatt ncaagcaacc ccttgccttg aaggtggttg ncatcccccc 100

tgggagtgaa tagcaatctt tgtggccacc gttggcatga agtntatgaa 150

gtacttggaa gacgatgagg tgcagaagat gaggatggct gtcattgggg 200

gcgcgatatt tcttcttgca ggtctggcta ttttagtnnc cacagcatgg 250

tatggcaata gnatnnttcg nggnttctat gaccctatga ccccagtcaa 300

tgccaggtac gaatttggtc aggctctctt cactggctgg gctgctgctt 350

gtcttctgcct tctgggaggt gccctacttt gctgttcctg tccccgaa 398

<210> 42
<211> 437
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 97
<223> unknown base

<400> 42
aggtagtcct taaaaaaaag tctcctctct gtacccttct tcacccaatc 50

tacaactagg tttttggta ggaattttat tattagntac caaacanggt 100

aacatcttta catgccagat tccaaagata ccctagaaga gccagagggt 150

tgcacttcct ctctctcact ttgcattccc tcctaagaaa tacttgcccc 200

taactcaaag ggcagaagga gtccagggct ctttcagcat taaaattctc 250

tatagttttc tgggagaggc acatgttctg agtgtgagga gaactgttct 300

ggttattgtt tataaattgt tttcatcttc tattcttat aacagattat 350

aaattatgt tttctgatgc ttcatactat tatgaggatt tggttggcaa 400

attatcttac aataaccacc catatattca tgcatgg 437

<210> 43
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 81, 93, 150, 340
<223> unknown base

<400> 43
ccaccaagag cctgaaggca gtcnctgtgt tccccttccg acctggcaga 50

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gctgcgggag ctctctgagg tccttcgaga ntaccggaag gancaccagg 100

cctacgtgtt cctgctcttc tgcggcgcct acctctacaa acagggcttn 150

gccatccccg gctccagctt cctgaatgtt ttagctggtg cttgtttggg 200

ccatggctgg ggcttctgct gtgctgtgtg ttgacctcgg tgggtgccac 250

atgctgctac ctgctctcca gtattttttgg caaacagttg gtggtgtcct 300

actttcctga taaagtggcc ctgctgcaga gaaaggtggn ggagaacaga 350

aacagcttgt tttttttctt attgtttttg agactttttcc ccatgacacc 400

aaactggttc ttgaacttct cggccccaat tctgaacatt cccatcgtgc 450

agttcttctt ctcagttctt atcggtttga tcccatataa tttcatcga 499
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&#60;210&#62; 44
&#60;211&#62; 494
&#60;212&#62; DNA
&#60;213&#62; Homo Sapien

&#60;220&#62;
&#60;221&#62; unsure
&#60;222&#62; 22, 37
&#60;223&#62; unknown base

&#60;400&#62; 44
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gggttttcca ggactccccc cnacccccgg ccactcnact ggtggaaatg 50

cctctgccca atagacttgc tgtcctaacc ctcgtttagg acttctcatt 100

tactgcagat attggtacac ataggtagtg ggcggctgcc tgagagagac 150

catttggtac ttcttttctt atctcaaagc tgcttcagtc tttgtgcaca 200

gggggatgctc agaagcgtgc cttctttcag ggagactggc catgcgcctg 250

agttagatga taacatggag gttcatcaca cgctgtctac ttgagtgtgt 300

ttttggaatt ctccataata aaaagttaaa aaatacaatt gataggtaag 350

agtaattgaa gtagtttcaa attggttagc tataaaatgc aactatgaag 400

aggattgtag gtaattaaaa tactaagatt gtattgagga gaaatatatt 450

attagaaca atacctgtga catggcatta gtgacaaata tgac 494
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&#60;210&#62; 45
&#60;211&#62; 561
&#60;212&#62; DNA
&#60;213&#62; Homo Sapien

&#60;220&#62;
&#60;221&#62; unsure
&#60;222&#62; 29, 35, 73, 88, 153, 198, 292
&#60;223&#62; unknown base

&#60;400&#62; 45
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ttcagagcca gaagggcctc gagctgcnag ccccntggaa tgaagcaggc 50

ctgggctgag gctggaaggg aancccctct aagctggncc gggggcggga 100
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aaacttacca ccaggggact cgagatgggg aaggaaaggt cagaaagagg 150

agnaggccca ggcacggggt gtgggcggcc tgcagagctg gagccagntg 200

ctccgcccag agccaggcat gcacactcag agtaggtggc ctgtgccacc 250

ggggaagagg gggcggtcgg cgtgctgctg aagatgccag gnagctgccg 300

gcctgctctg tgcgtgctga aaggtgtggt gagaagcact tacaaaaaga 350

aatggactgt gttaggattg cacattttac ttgtttctc ccaaatacgt 400

tctctttgaa ttttttcct tccaggcca ggactggagt gatggttgag 450

acaggcacgc actgggtctt gtctgcattt acattttgag attttgttca 500

gcatggattt tatgggcgttt ttttgtttgt ttgtttgttc gttttcaaaa 550

tactgcacgg a 561
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ccagatttg tttctttctt ttttnaaaaa aagaaaaaaa aannnnnnnn 50

nnnnnnnnn nnnnnnnnn nnatccttgg gtgtgggctg atcacctga 100

cctcaggtct ttgtgctatt gccctctctg cttttgggca ccttgacctc 150

aggtctttgt gctattgccc tctctgcntn cgggcacctt gacctcaggt 200

ctttgtgctg ttgccctctc tgcttgggc accttgacct caggtctttg 250

tgctgttgcc ctctctgctt tgggcacctt gacctcaggt ctttgtgcta 300

ttgccctttc tgctttgggc accttgacct caggtctttg tgccgttgcc 350

ctctnngctt tgggcacctt gacctcaggt ctttgtgctg ttgccctctg 400

tgctttgggc accttcctc agacctgtgc atcacattcc ctctcttcag 450

ctctctgctc aaatgtcacc tccttcctga catcttccct gaccatccta 500

gccaaaatac c 511
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cgccctagcc ctctgtgatt tcataatgct ggaagtatgc tttttttaaaa 50

agtttaaatt cttgcccaat tttactgtag cgggaataaa tacatgctag 100

tattctgaga gtnttatgaa actagacata aaacaagtta aaattaatgg 150

ggaaatggct agatgtccat gactgtcaga gtcagtacat tgtcagtatc 200

cccagaaat gtcactgata ttaagcaagc tgagttattt ccggcgttga 250

accatgaag aatgataaat gttttctcat catacttatt cttagaatgt 300

tgtgatactt ttgatatttc agttactcgt ctttaaaagg ggagtgccct 350

tccctgggcc ttgcctaaga gaagaaagaa agactatatt aagacagaaa 400

acatggacat tttaaagaga cgaatacact gctatgtgaa atatcagttn 450

tactcagtaa actccctcga 470

<210> 48
<211> 543
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 65-66, 30, 144
<223> unknown base

<400> 48
gcaggcctaa agaagaagct caggctgaaa tgaaccgtac cgcctnccga 50

ggggagaaaga attcnnggcc aaggaagctn cggcattggg atccccttggc 100

agttgcagcc actgaagtgg agaaggagac ccaggagaag atgncctcct 150

ccagacatac ttccggcaga acgggatgaa gtctggacaa cctcttggct 200

tttgtctgtg acattcggcc agaatccctg aaaactaccg cataaatgga 250

tagaagtgag aagcacctgt gctgtggagt ggcattttag atgccctcac 300

gaatatgagc ttagcacagc tctagttaca tcttatgata tggcattaaa 350

ttattttccat atattatata ataggtcctt ccactttttg gagagtagca 400

aatctagctt ttttgtacag acttagaaat tatctaaaga tttcatcttt 450

ttacctaata tttcttagga atttaatggt tatatgttgt cttttttttcc 500

tatctcttt ggctcaagca acatgtatat cagtgttgac cga 543

<210> 49
<211> 445
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 14, 484
<223> unknown base

<400> 49

cggacgcttg ggcngcgcca gcggccagcg ctagtcggtc tggtaagtgc 50

ctgatgccga gttccgtctc tcgggtcttt tcctggtccc aggcaaagcg 100

gagcggagat cctcaaacgg cctagtgctt cgcgcttccg gagaaaatca 150

gcggtctaat taattcctct ggtttgttga agcagttacc aagaatcttc 200

aacccttccc cacaaaagct aattgagtac acgttcctgt tgagtacacg 250

ttcctgttga tttacaaaag gtgcaggtat gagcaggtct gaagactaac 300

attttgtgaa gttgtaaaac agaaaccctg ttagaaatgt ggtggtttca 350

gcaaggcctc agtttccttc cttcagccct tgtaatttgg acatctgctg 400

cttttcatatt ttcatacatt actgcagtaa cactccacca tatagacccg 450

gctttacctt atatcagtga cactggtaca gtanc 485

<210> 50
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 255, 319-334
<223> unknown base

<400> 50
catggtggtg cgcaactgta gtcccaggta cttgagaggc tgaggtggga 50

ggatcatctt aacccgggg agatggaggc taaaatgagc tgtgttcaca 100

ccactgtacc ccagcctggg caacagaata agacgctgtt tcaaacaaaa 150

atgtgtaact caaaaacagc aaaatgctta gttctttgta aatgcaacat 200

ttaggctac tgtttatttg ccaatagaac tttttttcct ctctctctcc 250

ttatntgtaa acttagctat atatgtttct cactcttggg tctgtgtact 300

tcaaaatctt ttagaaatnn nnnnnnnnn nnnnaaaaaa aaaaatggaa 350

taaacaaaa ttatactaag attcattcat gttatttttt gtggctgcag 400

tgcattcatt tccactatat agtatttcat tgtctgatgt accagaattc 450

atccactctc tttttgatgc atgtttggat ttgcagtctt ttgctttatg 500

aaaagtgctg ctgtaaaaat tatta 525

<210> 51
<211> 150
<212> DNA
<213> Homo Sapien

<400> 51
tttttttttt tttttttggt ttgttgttgt tgtagtagtc tggtgctggc 50

cacatttaag tcttaaaaat ttttaaattt tgttgttgat gtttgtagac 100

agccctgttg ttgaaatcat ggctttattc attttattta ttttcgaacc 150

<210> 52
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 43, 133, 162
<223> unknown base

<400> 52
tttaatagtt attcgtcttc tgttgtatag ncatttaagt tgnttatatg 50

ttuctgttat taaccctttg tcccacgtat gatttgcaaa tattttctcc 100

cattttttt cagttgtctc attttgttga ttntatcaga ttccatgaag 150

cagctttta anttcaagaa aaacgaatc 179

<210> 53
<211> 324
<212> DNA
<213> Homo Sapien

<400> 53
cgcaagtccc ttgaggagcg tcagaagcgg cttccctacg tcccagagcc 50

ctattacccg gaatctggat gggaccgctc cgggagctgt ttggcaaaga 100

tgaacagcag agaatttcaa aggaccttgc taatatctgt aagacggcag 150

ctacagtagg catcattggc tgggtgtatg ggggaatacc agcttttatt 200

catgctaaac aacaatacat tgagcagagc caggcagaaa tttatcataa 250

ccggtttgat gctgtgcaat ctgcacatcg tgctgccaca cgaggcttca 300

ttcgttcatg gctggcgccg aacc 324

<210> 54
<211> 391
<212> DNA
<213> Homo Sapien

<400> 54
cccactcaga tctactgaaa ctgaaaacct gggagcaggg ccagcaatc 50

aagagttttt aacaaaccct cctggtcatt ttgatgcaca cgcaagtttg 100

agaacctgtg cccctttagga ggatttcctt ttcctcacta aaagcccct 150

gaaagatgcc tccagggtat gcctctgtgc cctactgccc actgctgctt 200

tcctgtttcc taggaatccc ctttatgaag tacccatcct ccagaaagat 250

ttcttaccta ccttgaaagg atcttggctt ctccacaagg ttactccatc 300

ctctgagcag ttatttccga ttctactttt gaatggtttc ttttcagatc 350

ttcctcagtg cttttctcttt ctggctaccc ctcaagcccg a 391

<210> 55
<211> 280

<212> DNA
<213> Homo Sapien

<400> 55
atatatat aaatatagaa atatatatat agaaatatat atatatctct 50

ctccatatcc aaaagcaaga ttacaaattt cagttgaggg taatagcact 100

taaagtagga acagagattc tttatgtgtt agcataattc ttttttatta 150

caattcgtt actaaagaat caggtgtcat taaaggtgaa catggttacc 200

ttcaccttct gcacagcagt ttttcatata cttgaagaca ttaaatcccc 250

ttccccatcc aacttaatct tttccagcga 280

<210> 56
<211> 485
<212> DNA
<213> Homo Sapien

<400> 56
cggacgcgtg ggcggacgcg tgggtggcct tagagtagtt ttttgagcat 50

ttattgtgct tggtgttctc tgaacttcct tagatctgtg gtttggtgtc 100

tgacattaat ttggataaat tttcagtcat tgttgtttta aatatttctt 150

ctcttccttt cttctcctct tggtactttc atgtgtttat attacatctt 200

ttgtacctgt cccagagttc ttgggtatta tcttctgttt tttttttggc 250

ctttttttt tcccttggt tttcagtttg tattgataca tccttaagct 300

cagagattat tcttttttttc agcggtgtcc actctcctaa tgagcccatc 350

agtggcattc ttcattctg tcaccatgct ttgctctctg gcacttcttt 400

tcattttttt cttagaattc ctatctccct gctcatgctg cccacctgtt 450

cctgcaaget gcctacttte tccattagag tcctt 485

<210> 57
<211> 260
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 53, 93
<223> unknown base

<400> 57
tggtgtcttt cctaccacag cccngagagt cagtcatttt tncaaagaag 50

cctggttgg ctttgtggag aatgatatat gttattatta ttntccgcag 100

ccaacatgac cgctcctctg gtgtctttcc caccacagcc cgagagtcag 150

tcattttttca aagaagcctg gttggctttg tggagaatga tatatgttat 200

tattattttt tgttttgtta tgttgtgttt tttagacagt ctcgctcttt 250

gcccagccga 260

<210> 58
<211> 344
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 66, 76, 92, 148, 174, 178
<223> unknown base

<400> 58
ggactaaaaa gactgtnaaa catttttttt taaaaaatta tttttacatt 50

acgacaatat atttanggat gtgttnagat caaaaattaa anttctgtgt 100

cccagatcta ctttcaaagt gagattttca cttgtcagct taaatttntg 150

actagaacta acatttgtgt attnttgngc ttagtcggaa tacaaatttc 200

acagtggatt tttgaagttt gtccttaaat tggataaaat caagtgatta 250

aagttactaa agagataaaa atggtaattt ccatttttaa aagtaatttg 300

gttgtgttta tagttatttg tacaagtatt tatcacagcg aacc 344

<210> 59
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 58, 130, 234, 314, 364, 427, 450, 461, 476
<223> unknown base

<400> 59
agcaatgccc tgcccccagt ggaggattaa ttcctatgnt ggggacaaca 50

ttgtganngc ccaggccatg tacggggggc tgtggatgtc ctgcgtgtcg 100

cagagcaccg ggcagatcca gtgcaaagtn tttgactcct tgctgaattt 150

gagcagcaca ttgcaagcaa cccgtgcctt gatggtggtt ggcatcttcc 200

tgggagtgat agcaatcttt gtggccaccg tggnaatgaa gtgtatgaag 250

tgcttggaag acgatgaggt gcagaagatg aggatggctg tcattggggg 300

cgcgatattt cttnttgcag gtctggctat tttagttgcc acagcatggt 350

atggcaatag aatngttcaa gaattttatg accctatgac cccagtcaat 400

gccaggtacg aatttggtca ggctttnttc actggctggg ctgctgcttn 450

tttctgcctt ntgggaggtg ccctantttg ctgttcctgc gaacc 495

<210> 60
<211> 266
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 56, 115, 190, 210
<223> unknown base

<400> 50
 aattgtcag aggcaagtgt ccagagtttt gctatanatt cattatggaa 50

 ggtttnacct tattgaaatg acagttcccc acctttagca ttttatattg 100

 ttccattaac tgtcanacaa acattcctgc aaaatatcag ttcaggaacc 150

 aaacttactt tccctgagat ggtaaccgtt tcacagcctn tcatattgct 200

 gcttcattan gtgatgaagt ctaaacacgt aaatggtgac cagttaaaac 250

 acacacctgc cgaacc 266

<210> 51
<211> 421
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 5, 22, 142, 147, 186, 198-200, 205, 260, 296, 306, 314
<223> unknown base

<400> 51
 ccnangggtc cggttttttt gnatttttag tagagacggg gtttcaccat 50

 gcaagcccag ctggccacgt aggttttaaa gcaaggggcg tgaagaaggc 100

 acagtgaggt atgtggctgt tctcgtggta gttcattcgg cntaaanaga 150

 cctggcatta aatttcaaga aggatttggc atatttttt cttgacnnn 200

 crctntaaag ggtaaaatat caatgtttag aatgacaaag atgaattatt 250

 acaataaatn tgatgtacac agagtgaaac atacacacat acacntaat 300

 caaaangttg gggnaaaatg tatttggttt tgttcctttc atcctgtctg 350

 tgttatgtgg gtggagatgg ttttcattct ttcattactg ttttgtttta 400

 tcctttgtat ctgaacgaac c 421

<210> 51
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 37, 79, 91, 98, 155, 162, 170
<223> unknown base

<400> 52
 agagacgggg tttcaccatg caagcccagc tggcnangta ggttttaaag 50

 caaggggcgt gaagaaggca cagtgaggna tgtggctgtt ntcgtggnag 100

 ttcattcggc ctaaatagac ctggcattaa atttcaagaa ggatttggca 150

 ttttntcttc tngaccttn tctttaaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250

tacacacata caccctaatc aaaacgttgg ggaaaaatgt atttggtttt 300

gttcctttca tcctgtctgt gttatgtggg tggagatggt tttcattctt 350

tcattactgt tttgttttat cctttgtatc tgaacgaacc 390

<210> 63
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 61, 77, 80, 93, 147, 175-176, 234
<223> unknown base

<400> 63
tcttagaga tctttgactt gaccnaaggg tccgcaaagg gttcgggttt 50

ttgtatttt nagtagagag gggtttnacn atgcaagcca agntggcaaa 100

gtaggtttta aagcaagggg cgtgaagaag gaaacagtga ggaatgnggc 150

tgtttcgtg gtagttcatt cggcnnaaat agacctggca ttaaatttca 200

agaaggattt ggcatttttt tttcttgacc cttntcttta aagggtaaaa 250

tattaatgtt tagaatgaca aagatgaatt attacaataa atttgatgta 300

cacagactga aacatacaca catacaccct aatcaaaacg ttgggaaaa 350

atgtatttgg ttttgttcct tcatcctgt ctgtgttatg tgggtggaga 400

tggtttttcat tctttcatta ctgttttgtt ttatcctttg tatctgaa 448

<210> 64
<211> 245
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 114, 120, 122, 184, 205
<223> unknown base

<400> 64
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acacatatgt atgtatacct aantcctaaa gtggaacagt aagagtcatt 100

atttatagat tatntgattn tntatgtgga aagagaaaag aatcatatta 150

agtactttgg actgaacaat gaccccaaa attngtatga tgatgaagct 200

ctctntaaat attttcttgc tttactggac tgattttaac ccgct 245

<210> 65
<211> 381
<212> DNA
<213> Homo Sapien

<220>

<221> unsure

<222> 21, 59, 65, 80, 116, 155, 180, 188, 202, 223, 236, 246, 341, 361

<223> unknown base

<400> 55

aggaatccag gttggtagag naatcccggc cggtttccca gagatgttta 50

acnagcacnt gcttntgaga cttcgttttn tgttccagca acnctggttg 100

ggggttaga cttganacac tttcaggttg ggagtggacc cacoccaggg 150

cctnntgagg acagagcagc caggccgtcn tggctaantt tgcagttggc 200

nntnggntgg ggaggaagag agntgatgag tgtggnttcc ctgagntggg 250

gtntccntgc ttgtccagtt gtgagctgtc ctcggtgtta ccgaggctgt 300

pcntagagag tggagatttt tgatgaaagg tgtgctcgct ntctgcgttc 350

nantttntct ntcctccttg ttcctgcaaa c 381

<210> 56

<211> 321

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 29, 36, 144, 146, 161, 170, 205, 210, 213

<223> unknown base

<400> 56

nnttaaaaat attgttgagt tctaaacnga tttttngtat atatcataca 50

naqaaantat taaattttg ttctaaaaca accaaaaatg gagcatacat 100

ttacagtggc atttgttgca tattattaaa caaatgaaac tgantntttt 150

ttcatcntga ngcagattan atcccatttt aatcttttc ctctctcctt 200

ttctnancn acntcagagt atcctgtaac agctgtcct atagttttca 250

aggaaantga taataatgag attacttctt ctttcatcgt ttattttttt 300

gggaggatgg ggaaaccaca c 321

<210> 57

<211> 123

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 53, 75, 100, 110

<223> unknown base

<400> 57

tccctgaat attcaggagg gagaagcaat cgccccagga cagagacggg 50

nanatcccag gagcagggta caggntttag caatatccat cttgcggtan 100

tccctccctn acaacaacca gac 123

<210> 68

<211> 521
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 66, 73, 97, 116, 134, 182, 187, 262, 364, 432, 477, 507
<223> unknown base

<400> 68
aaatgacta taaataagtt ggtttgggan attattattt ttttagcatt 50

attttttaaaa tagatnatgg ttnatattta attggaattc cataatntaa 100

tgtactgata ggtaanttgt gtggaaattg tttngcagac ataaattact 150

aaataaatgt tctgttttca gatagtttag tntttgngac attaagtatt 200

gggacagatt gttttgactc caattaatat tctgaaattt ttctcctttc 250

attacctacc tntccattat gcctcagttg taacggtgag taaaactatt 300

tttgtgtctc atactttctt tatctttaaa ctttgttta cacagtaatt 350

attttcaacc attntttgct aactgcacct cgctgcatgg ttccttcctg 400

tgtcccacca accagccgcc acattttacc anatgttccc agtgttcatg 450

ggccctttcc acccttgtct caaaatntcc ctattgattt tattttgctt 500

ttgttantcc cttcaaacgc c 521

<210> 69
<211> 382
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 155, 170
<223> unknown base

<400> 69
agagacgggg tttcaccatg caagcccagn tggccaagta ggttttaaag 50

caaggggcgt gaagaaggca cagtgaggta tgtggctgtt ctcgtggtag 100

ttcattggc ctaaatagac ctggcattaa atttcaagaa ggatttggca 150

ttttntttttc ttgacccttn tcttaaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250

cacacacata cacctaatc aaaacgttgg ggaaaaatgt atttggtttt 300

gttccttttca tcctgtctgt gttatgtggg tggagatggt tttcattctt 350

tcattacttgt tttgttttat cctttgtatc tg 382

<210> 70
<211> 405
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 43, 58, 98, 110, 122, 125, 191, 226, 232, 234, 251, 321
<223> unknown base

<400> 71
ataccaatgc agtgaggtcg gggattcccc aantggatcc atngcaccag 50

gttcaaanta accoccaagg cagttttttc ttccaaaaca ttaacagnta 100

agtctttgtn tgggccaatt tntcntacca agtttaaatt aaccaacatt 150

ttntctttaa aaccaaaaca caaggaagac taaccacgtg nttccaggaa 200

tggcctgtat ttacccaacc acttntata cntnttttcc aaccaaaagt 250

nttaatatgg gaatatccct caccacgatc ctaatactgt cagtagctgt 300

cctcctgtcc acagcagccc ntccgagctg ccgtgagtgt tatcagtttt 350

tgcactacag aggggagatg caacaatact ttacttacca tactcatata 400

gaaag 405

<210> 72
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 44, 54, 143, 244, 351, 504
<223> unknown base

<400> 72
gttcagtacc aagcggtaag aaggcntgag gacccaggcc ccantggagc 50

Agtntgtcct tatgccgaat caaggcggaa catgggtgaa agacgagtaa 100

ggggcaaatc acagaatatt ccacagcgcc ctccagagtt acntggggag 150

gaccgaggcc acacgccact gccccgagg ccagagtgta agtaaaggat 200

aaccaggact cgctgggaga gatggattct gtcctcagca acantccaca 250

gcagaaaggg gtagcaggta ccccttttta tcagcggtaa aaatgcattt 300

Acaacctttc atttaaccga aaaacacaga ccgctttaac cttttattt 350

ntgtcccca ctgcatgaac atttatacaa ttttaaaaat acttcctcat 400

aggatgcttt ggcccttcat ctatttaatc atagctacat acctatttt 450

tataagtagc agtacacatt caaaggggta ttcctagctc aatgcttggt 500

gttntagttc aactttatc ctgcag 526

<210> 73
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<221> 24, 274, 348
<223> unknown base

<400> 72
nagaaataac ccttttcctt attngatttt agtcatcaaa catagtatga 50

tatgggaaaa gtcagccatt taccagaaat tatcttattt tgattttaaa 100

aactcatttc tatatgtagt tattgtaatg tctatttttt tagacttaaa 150

gatttataga agactatagt tatctgattt gttatttggc attttttcat 200

tctgtaaatc tttgcttatg gcacattgtg ctctctgttt tccatggttt 250

tattcattta tctcctccta tttngagggg acaacatggg tagttaaatc 300

tttgtcaata gtattggaga taacactaac tgctattatc ataacatntt 350

aattttact gcatgc 366

<210> 73
<211> 634
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 59, 62
<223> unknown base

<400> 73
ggactgaatn cacttgtaat ggtgaccact gaaagctgca gagggacagt 50

aggtatttna tnaaatgcct tatatggcat tctatatgaa gaacctctga 100

acccaaagta tattatttag aaagaaagat aaagagatat aagcaaagta 150

agaatatatc ttaaaagtat cttataaacc attaacttat agtggtaaga 200

taaaccctct atcagcagga aaatacctgc atatgcatac ataaggaaga 250

ctgtgcacct aatctaggga tacataataa ggtggactct gtattagtag 300

taagtatttt tataaaataa tacttagaac aaattatata agataattat 350

aaatattaag atctttatat tgcattgctt ctgacttaaa aaatgaataa 400

ataaatgggg tcttgctatg ttacccaggc tggaatgcag tggctattta 450

caggcacaat catagtgtac tacagcccca aactcctggg ctcgagcaat 500

cctgttgccc agctcctag gtagctggga ctatatataa gcaggcacca 550

ctgtgcctgg ctgcttctga ctaatccaag taagaataat aaatctatga 600

caaagttata cacaatctcc tacccctacc tcag 634

<210> 74
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

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<222> 31, 42, 60, 114
<223> unknown base

<400> 74
Atggaaccca gttggaaacc actcttcacg nttatttatc cnggggaact 50

tccnccaacn tagccaaggc ttcggttgag ttctcactcc aaaggtggga 100

actggaccat gggnacactt ggacacggat ggggaactca cacaccgggc 150

ctgtcttggg gtggcggtag ggcgtagcga tagcatagga gatacaccta 200

atgtaatgac gagttatggg tgcagcacac caaatggcac tgtatacgta 250

tgtaacaaac ctgcacttgt gcacatgtac tctagaactt aaagtataat 300

ataaaaattt taaaaatttt aaaaaaataa aaaaatcact gggctaaagt 350

aaataagtat tttactggtt ctaagattgt tttttagaga gaaaaacaat 400

agaagtgtag aagcaattcg ataaagaaag gagttttttc aacaaatgtt 450

gctgcaacag tcaaatgtct gtatgcaaaa aaatgaacct cca 493

<210> 75
<211> 255
<212> DNA
<213> Homo Sapien

<400> 75
tggaaaaaaa aaaaaaaagc ccctttttcag tttgtgccac tgtgtatggt 50

ccctgtagat tgatgcagat tttctgaaat gaaatgtttg tttagacgag 100

atcatacacgg taaagcagga atgacaaagc ttgctttttct ggtatgttct 150

aggtgtattg tgactttttac tgttatatta attgccaata taagtaaata 200

tagattatat atgtatagtg tttcacaaag cttagacctt taccttccag 250

ccacc 255

<210> 76
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 47, 56, 66, 144, 163, 169, 294, 367, 395, 583
<223> unknown base

<400> 76
tttagggttc cttgacttgn accaaggttt cgggjaaatt taaaggntta 50

aggaanqgga ggaaangttt cttaaatttg gaattaacag taataatttt 100

tggaaattcc aataaaattg gcaaaagatt gggaaatttt ggangaataa 150

gggaaacaga tanttttcng ggtattcagg taaagtttaa aaaaggtttt 200

aaaagagagt ttttctaaca ttttgaaaag caacatgaaa aatgaaaaca 250

gttttaacag atatacaata tggatgactt atatacaaat gacnttaaaa 300

tatattaaat tcattatagt agttatattt aagtaaaata tgatgaaatt 350

taatagagat tcactcntcc caaaagcacc ttcatggaag attcnccatt 400

aacaggcagt cccttagtat gctgatttat acaaaatgct gaaaagaaga 450

gaaataccc aagttcttga aaaaaaattt tttgatatga ctactctaac 500

agtaataact ataaatctca ctttaaataa tttaaaacaa attaaagtga 550

tatatgagtt aaatgaccaa gcagacttga tttaggaat gttaaggaat 600

gttcattatt tgttttggat aatgaag 627

<210> 77
<211> 507
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 60, 98, 107, 116, 240, 276, 432, 500, 502
<223> unknown base

<400> 77
 tttgaaaagt ttaaaaggga ggaagtggtt tttatgattt ggccgttcc 50

 ggttgccntn cagagagttc cttgccttcc ctgcccttga aggtgactg 100

 tggccnttt gggtgntgat ggacctgtgt tcccaccctg gttcaaaaag 150

 caagaaaag ggagtggtat cagaaaatgg aagaagagag taaagaagac 200

 agtgctggct tgagagaagc agtggcttca ggtaaaaggn tactgccagc 250

 gatatggacg ggagacagag aaatgntaga agagggcggt tcccaacaa 300

 aggcccacc cacaagcctg gacacctgtg gccctaaatg agaacaggca 350

 ttcctgtttt tgcacccaaa aagtggtttt ttggtatgcc acacccccta 400

 tcccatacce atataaaccc tgaaccccag gntccagctc agaccagcag 450

 aggaggagac gagacaagca gacaatgcag aacagtgcag cagagagaan 500

 tngagag 507

<210> 78
<211> 478
<212> DNA
<213> Homo Sapien

<400> 78
 ccacggtgtc cgttcttcgc cggcggcag ctgtccccga ggcgggagga 50

 gcccgagggg cgcgagcccc gcatgaatca ttgtagtcaa tcattttcca 100

 gttctcagcc gttcagttgt gatcaaggga cacgtggttt ccgaactgcc 150

 agctcagaat aggaaaataa cttgggattt tatattggaa gacatggatc 200

 ttgctgccaa cgagatcagc atttatgaca aactttcaga gactgttgat 250

ttggtgagac agaccggcca tcagtgtggc atgtcagaga aggcaattga 300

aaaatttatc agacagctgc tggaaaagaa tgaacctcag agaccccccc 350

cgcagtatcc tctccttata gttgtgtata aggttctcgc aaccttggga 400

ttaatcttgc tcactgccta ctttgtgatt caacctttca gcccattagc 450

acctgagcca gtgctttgtg gagctcac 478

<210> 79
<211> 637
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 54, 56, 113, 124, 160, 163, 165, 170, 179, 204, 259, 299,
      382, 384, 487, 634
<223> unknown base

<400> 79
 gtttgtcct tttccngtt tttttggac aaattcagta taccaagcaa 50

 catnaatcc agtttnggtg gattccnggg gtcttttggg atccttgact 100

 tgaccaaggg tcnggcctt ttcngttggg acgtttgtaa gtttttgggca 150

 gtttccggn gantnnggan tcgggtttng ctttctgtgt tccattcgcc 200

 ccnngccgtg gtgcaggttt tcgggctagt catgggtccc cgtttcggag 250

 acttccagant aaaccagtca ttacttgttt caagagcgtt ctgctaatnt 300

 acacttttat ttttctggatc actggcgtta tccttcttgc agttggcatt 350

 tggggcaagg tgagctgga gaattacttt tntnttttaa atgagaaggc 400

 caacaatgtc ccttcgtgc tcattgctac tggtacgtc attattcttt 450

 tgggcacctt tggttgtttt gctacctgcc gagcttntgc atggatgcta 500

 aaantgtatg caatgtttct gactctgtt tttttggtcg aactggtcgc 550

 tgccatcgta ggatttgttt tcagacatga gattaagaac agctttaaga 600

 ataattatga gaaggctttg aagcagtata actntac 637

<210> 80
<211> 294
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 13, 42, 105, 198, 205, 266
<223> unknown base

<400> 80
 ggcggtatct ttttgcnag ttgcaattgg gggcaaaggt gnccctggag 50

 aataatttt tttttaaaa tgagaaggcc accaagtccc cttggtgatc 100

 attgntactg gtaccgtcat tatttttttg ggcacctttg gttgttttgc 150

```
tacctgccga gttttttgcat ggatgctaaa actgtatgca atgtttcnga 200

ctctngtttt tttggtcgaa atggtcgctg ccatcgtagg atttgttttc 250

agacatgaga ttaagnacag ctttaagaat aattatgaga aggc 294
```

<210> 81
<211> 436
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 58, 78, 148, 162, 253, 281, 336, 399
<223> unknown base

<400> 81
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agntgggntg aataccgacg ccagcgcnta gcgcccatta ctttgcaccc 100

acacttagga aacaacccac gcctcaccgc gggacccgga cccagccntc 150

cagcacccag cntccggttt cgacgtccgc gcgtgacctc cgggtaccgg 200

aggaccttgg gacgaggagg tccctccgct ttccggtagg atatatctgc 250

ntnntgaaag gaagataaaa caaaagcctt ntttggaata gatggatttt 300

rgtcacttt ngtgtgaact aaagtgattc aatgtntctt ttggattgct 350

tctgcanttc aagaacacaa gttgaatcac tcagacctga aaaacagtnt 400

gaacccagta tccatcaata cttggttgat gagcca 436
```

<210> 82
<211> 570
<212> DNA
<213> Homo Sapien

<400> 82
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actgataaaa ggcaggcgat acttcctgtt gccgggacgc tatatataac 50

gtgatgagcg cacgggctgc ggagacgcac cggagcgctc gcccagccgc 100

cgcctccaag ccctgaggt ttccggggac cacaatgaac aagttgctgt 150

gctgcgcgct cgtgtttctg gacatctcca ttaagtggac cacccaggaa 200

acgtttcctc caaagtaccct tcattatgac gaagaaccc tcatcagctg 250

ttgtgtgaca aatgtcctcc tggtacctac ctaaaacaac actgtacagc 300

aaagtggaag accgtgtgcg cccccttgccc tgaccactac tacacagaca 350

gctggcacac cagtgacgag tgtctatact gcagccccgt gtgcaaggag 400

ctgcagtacg tcaagcagga gtgcaatcgc acccacaacc gcgtgtgcga 450

atgcaaggaa gggcgctacc ttgagataga gttctgcttg aaacatagga 500

ggtgccctcc tggatttgga gtggtgcaag ctggaacccc agagcgaaat 550
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acagtttgca aaagatgtcc agatgggttc ttctcaaatg agacgtcatc 600

taaagcaccc tgtagaaaac acacaaattg cagtgtcttt ggtctcctgc 650

taactcagaa aggaaatgca 670

<210> 33
<211> 427
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 131, 150, 225, 352
<223> unknown base

<400> 93
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tagaactttt tgttgatggt tggttttatt aaggcccgga agaaacattc 100

agattcgatt gaggaccagg aaatggcctt ntaggaaga gaaggcattn 150

tcctagatgg cttttaaaaa tatttccgcc agagtcactt gtctcattaa 200

caacagtttt tgtcttagaa gtcctntctgt gattttataa actagcatga 250

ттtgttatg aatgcatgct gctctggttc tctaataagc ccaacatgca 300

ттgcatcat gtcggcaata agcacttttt ttgctgtgtt aacaatgtca 350

tatcattgt tgtgtgcctg tgttttgact gtgacctgtc acatgaggtt 400

gggtgtggaa ttttccactt gtggcaa 427

<210> 84
<211> 371
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 178
<223> unknown base

<400> 84
tctttggagc tgcaggaggg acggatggcg gaaccttcca gtcccttca 50

gaggcgactg ccactcgcc ggccgtgcct ggactccta cagtggtccc 100

tactctcgtg actccctcgg ccccctgggaa taggactgtg gacctcttcc 150

cagtcttacc gatctgtgtc tgtgactnga ctcctggagc ctgcgatata 200

aattgctgct gcgacaggga ctgctatctt ctccatccga ggacagtttt 250

ctccttctgc cttccaggca gcgtaaggtc ttcaagctgg gtttgtgtag 300

acaactctgt tatcttcagg agtaattccc cgtttccttc aagagttttc 350

atggatтcta atggaatcag g 371

<210> 85
<211> 324

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 33, 167
<223> unknown base

<400> 85
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cctcgatgct tttctggttg cctttgaagt tcatgcaggt ggaggacgtg 100

ggacattgacg aagttcagtg tattctggct aacttgatat acatgggaca 150

cctcaaaggc tacatcncgc atcagcatca gaagctggtg gtcagcaagc 200

aggaacnatt tcctcccctg tccacggtgt gttgaaagta cacggagccc 250

cgacgacggg tgagcagttg tttctttcca cttcggttgt gctgatgaga 300

cccggttcggt actgcaacaa ggcg 324

<210> 86
<211> 514
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 38, 54, 358
<223> unknown base

<400> 86
gaacattctg gaccactaan cctctcttgg caacactngt tggacagatc 50

ctgaagatat gggngaccta ttcctagaat gttgctgaag cttttctgga 100

tggtggtgaa tataattctg cacttccct cctcagtgct cttgtttgct 150

cttgaaagata caaccttgca gtagtttggc ttcgtcatgc agaatgttta 200

aaggccttag gctatatgga gcgagctgct gaaagctatg gcaaggtggt 250

tgatctggcc ccactccatt tggatgcaag gatttcactt tctacccttc 300

agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 350

natgatcnag atactttagc acaggatgca aatgctgcac agcaggaact 400

gaagttattg cttcatcgtt ctactctgtt gttttcacaa ggcaaaatgt 450

atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 500

gcaatgaatc gagc 514

<210> 87
<211> 84
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23

<223> unknown base

<400> 87
aaatgtatgt atcatcagtt ggntacgttt tggttctatg ctaaactgtg 50

aaaaatcaga tgaattgata aaagagttcc ctgc 84

<210> 88
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2., 53, 67, 91, 110, 195, 203, 424, 484, 487, 572
<223> unknown base

<400> 88
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ggnggggcgcc ctgtggnatc ataaaaaggt cctggcatgg ntaacagcca 100

ttttggccan tttgtcggaa tttgtggttt ataaacttca gatggaagac 150

cagaaataac aagtgtgcat ttagcagaat tcccttcctg ccagntgatg 200

agacatlntg gaagcattt ctgactttaa aaatgaacat ttcggttctt 250

gtcctncccc tatttatttt tacatttctc tatgtgcaaa tgagaaaaac 300

actaaggttc agggagcaga ggtatagcct tttcaagctt gttttgcca 350

taatggtagt cttccttctg atgtgggcgc cctacaatat tgcattttc 400

ctgtcacctt tcaaagaaca cttntccctg agtgactgca agagcagcta 450

caatttggac aaaagtgttc acatcactaa actnatngcc accaccact 500

gctgcatcaa ccctctcctg tatgcgtttc ttgatgggac atttagcaaa 550

taccttgcc gctgtttca tntgcgtagt aacaccc 588

<210> 89
<211> 511
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 50, 72
<223> unknown base

<400> 89
caggaatctc gaatactggt tcctccctt agttcccgcc ctcggagtca 50

gcaagcaggg ggagtntgag gnccctggga cagctctgac tctggctgac 100

acacctgcct ctgggcaagg gtggtgcata tctgaggcgg acaggcacac 150

atggagaagt cagagtccac gccctctgct ccatcccagt agccaccgtc 200

tcaactcagc ccctgtcac ttcacacttt ggcagtggtt tctgtccact 250

cagctggttc agttggctct atcacatctc ccggrctcta gggttggctc 300

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aggcccactt ccgtcctctc atagggctgg ccatccaacc atatcactcc 350

tcttacgggt tttaaggata aagtttgaag ccttaaggat acgtcacagg 400

tccctaggc cctgcttacc tcagcttctg cctagaagtt tatgccccag 450

aaacagtgaa acctccatgt ttaccctcac acaacctgtg tgtctcaaca 500

ccatactttt gctcatactg g 521
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<210> 90
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 120
<223> unknown base

<400> 90
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 gcgtccccgcg cgtccccgcg tccctggcaa ttcccgactt cccaacgggc 100

 tctttgctgg cagcccccgn agcgcacca tgttccgcct ctggttgctg 150

 ctggccgggc tctgaggct cctggcgtca agacccggtt ttcaaaattc 200

 acttctacag atcgtaattc cagagaaaat ccaaacaata caaatgacag 250

 cttggaaata gaatatgaac aaatatccta tattattcca atagatgaga 300

 aattgtacac tgtgccacct taaacaaaga tattttttag cagataattc 350

 tatgatctat ttgtacaatc caaggatcta tgaatactta ttcttcagat 400

 attcagactc aatgctacta ttaaggaaat attgaaggat atccagattc 450

 catggtcaca ctcagcacgt gctctggact aagaggaata ctgcaatttg 500

 aaaatgtttc ttatggaatt gagcctctgg aatctgcagt tgaatttcag 550

 catgttcttt acaaattaaa gaatgaagac aatgatattg caatttttat 600

 tgacagaago ctg 613
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```
<210> 91
<211> 445
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 45, 68, 107, 113, 118, 405-406, 419
<223> unknown base

<400> 91
 ttgagctcga tatcccacag agcntccagc agaacggttc ccttntacat 50

 cccacgttta cttcaccnaa gagtggcttc ccaccagac ccccggcaaa 100

 agccctntac ccncoggntt gccacagtcc acatgtcccg gatgatcaac 150
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aatacaaggg cagacgattt cagaaaacca agaaactgct gacaggagag 200

acagaagcgg atccagaatg atcaagaggg ctgaggacta tgggcctgtg 250

gaggtgatct cccattggca cccaacatc accatcaaca tcgtggacga 300

ccacacgccg tgggtgaagg gcagtgtgcc ccctcccctg gatcaatatg 350

tgaagtccga cgccgtgagc ggtgactact atcccatcat ctacttcaat 400

gtcctnntgga acctgcagna ggactagggc cccatcaacg agagc 445

<210> 9_
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4:, 63, 74, 113, 138, 149, 153, 178, 208, 252, 259, 262, 302,
        317, 346, 369, 371, 379
<223> unknown base

<400> 9_
  cctgctgtc tggggccct ggtttggtgc cctttgccaa aanagcggta 50

  ggtcccttgg acngaaccaa aatnatcttc ccaagtgtct tcaaaaagat 100

  ttcttgtcaa gggnggcctc cgggtcgtat actacacnta cctgcganga 150

  gggattcntc agcttgtggg gcgggaantc ggccacatg gtgtgcgtgg 200

  tgccctangc cgccatccag ttcagcgcac acgaggagta caagcgcatc 250

  cnggggcagnt antatggctt cggtggagaa gccctgcccc cttggccttg 300

  cnttttcgcc gggcgcantgg ctggaacgac agccggttca ctgacntacc 350

  ccctgcacct ggtcagagng nggatggcng taaccccgaa ggaaatgt 398

<210> 9_
<211> 117
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 14, 50, 57, 79, 113
<223> unknown base

<400> 9_
  aacttaatgc aaagggtgtg agatgttccc cccngctgta aaatgaaggn 50

  ctattgntat ttattgagct ttgtgggant ggtggaagca ggcccccatg 100

  gaccatgccc ccnccct 117

<210> 94
<211> 267
<212> DNA
<213> Homo Sapien

<220>

<220> unsure
<221> 34, 40, 75, 127, 153, 176, 183, 221
<223> unknown base

<400> 94
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agaacattat ccaatatgtg gactntcaca atcattggga ttggaccgga 100

taagttaata aatttggcct tatttgnttg gaagtgatta taccgaagga 150

atrccaactg tgggttgtgt aaccgnccat ggnaattcta caatgaattc 200

cctggcatg gccctggaac ntctcctaaa attctcagaa tggtggcatg 250

aagctcaaaa aaatcac 267

<210> 95
<211> 149
<212> DNA
<213> Homo Sapien

<400> 95
gggtttittt ttttggtct ggcctcttc atttagctta atgttttcaa 50

ggttcatcta tgttgtatca cgtatcagta ctttattttt tgtgtggcac 100

gtcatatgga taccccacaa cccgtttatc ttttcattaa ttatgggcg 149

<210> 96
<211> 141
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35
<223> unknown base

<400> 96
ttttttitttt tttttttttt ttttgagacg gagtntcatt ctgtcgctcg 50

ggctggagtg cagtggcgc atcttggctc actgcaacct ctgccgccag 100

gttcaagtga ttctcttgcc tcagcctcca gagtagccgg g 141

<210> 97
<211> 598
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 82, 132, 146, 187, 317, 371, 380, 383, 386, 473, 503, 554
<223> unknown base

<400> 97
gttttgtta cagttttttg ccaccatggt tgcagttata atgatgagct 50

gcagtttttg gagaagatt aataaaaant gntggaggat caagaagggt 100

ttgtgcccaa catgcaggt gaaggtgttt tntatgtgaa tgatgnttg 150

gagaaattga tgtttgagga attaaggaat gcctgtngag gtggtggtgt 200

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tggtggttcc tgccagccat gaaacagatt ggcaatgtgg cagccctgcc 250

tggaattgtt catcgattta ttgggcttcc tgatgtccat tcaggatatg 300

ggtttgctat tggaanatg gcagcctttg atatgaatga ccctgaagca 350

gtagtatccc caggtggtgt ngggtttgan atnaantgtg gtgtccgctt 400

gctaagaacc aatttagatg aaagtgatgt ccagcctgtg aaggagcaaa 450

ttgcccaagc tatgttgac canattcctg ttggggtggg gtcaaaggt 500

gtnatcccaa tgaatgccaa agaattggag gaggccttgg agatggggt 550

ggantggtcc ttaagagaag ggtatgcctg ggctgaagac aaggagcc 598
```
<210> 98
<211> 518
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 57, 111, 147, 152, 175, 219, 221, 224, 244, 259, 272, 285, 307, 309, 326, 368, 395, 477
<223> unknown base

<400> 98
```
aattagaaaa ggaaggttta tttttaanat tcttcttcca attggtttaa 50

tggtgaatta atgaagnggg taagcaaaac caggtgcttg cgttgagggt 100

tttgcagtgg ntggaggac cccggggttt ccccgtgtct tttccangaa 150

tngttccgcc cctttggaat aaaanacccg cgagccccga gggcccagag 200

gaggccgaag tgcccgagnt nctncggggg tcccgcccgc gagnttttt 250

tttgccttng catttcctcc tngggcgttt tgganatgcc aggaataaaa 300

aggatantna ctgttaccat tttggntttt tgttttccaa gccctgggaa 350

tgcacaggca cagtgcanga atggctttga cctggattgc cagtnaggac 400

agtgtttaga tattgatgaa tgccgaacca tccccgaggc ctgccgagga 450

gaaatgatgt gtgttaacca aaatggnggg tatttatgca ttccccggac 500

aaaccctgtg tattgagg 518
```
<210> 99
<211> 439
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 59, 104, 130, 146, 209, 221, 233, 248, 269, 284, 287, 290, 305, 360, 380, 386
<223> unknown base

<400> 99
```
ataccaagca ggcctttggc atcatgaacg agctgcggnt cagccagcag 50
```

ctgtgtgang tcacactgca ggtcaagtac caggatgcac cggccgccca 100

gttnatggcc cacaaggtgg tgctggcctn atccagccct gttttnaagg 150

ccatgttcac caacgggctg cgggagcagg gcatggaggt ggtgtccatt 200

gagggtatnc accccaaggt natggagcgc ctnattgaat ttgcctanac 250

ggcctccatt tccatgggng agaagtgtgt cctncangtn atgaacggtg 300

ctgtnatgta ccagattgac agcgttgtcc gtgcctgcag tgaattcctg 350

gtgcagcagn tggaccccag caatgccatn ggcatngcca aatttgctga 400

gcagattggc tgtgtggagt tgcaccagcg tgcccggga 439

<210> 100
<211> 395
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 54, 74, 113, 170, 194, 215, 257, 285, 317, 328, 373
<223> unknown base

<400> 100
ttggcatatt ttttcccagc ttaattcaat tccagcattg tcatgcagca 50

nggnaatcct ttgattccac aganacatat ccccagcatg cgcagttttt 100

ggatggcacc accagcagnt ttatcccct gtaccgatcc tcagaggaag 150

agaagagagt gacagttatn aaagccccgc attaccagg gatngggccc 200

gtggatnaat ccggnatccc cacagcaatt agaacgacag ttgaccggcc 250

caaggantgg tacaagacga tgtttaagca aattnacatg gtgcacaagc 300

cggatgatga cacaganatg tataatantc cttatacata caatgcaggt 350

ttgtacaacc cacctacag tgntcagtca caccctgctg caaag 395

<210> 101
<211> 326
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 33, 92, 112, 144, 185, 190, 204, 215, 235, 238, 292
<223> unknown base

<400> 101
ccaatcgccc gggcggtgg tgcaggtntc ggntagtcat ggggtccccg 50

tttcggagac tgcagactaa accagtcatt anttgtttca agagcgtttt 100

gctaatttac anttttattt tttggatcac tggcgttatc cttnttgcag 150

ttggcatttg gggcaaggtg agcctggaga attanttttn tttttttaaat 200

gagnaggcca ccaangtccc ctttgtgctc attgntantg gtaccgtcat 250

```
     tattttttttg ggcacttttg gttgttttgc tacctgccga gnttttgcat 300

     ggatgctaaa actgtatgca atgttt 326


<210> 102
<211> 326
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 127, 145, 178, 203, 220, 254, 267, 272, 320
<223> unknown base

<400> 102
     tattcctgg tggcagcgag gtgggcggcg gcggagggag ntggacccca 50

     tggaagtccg cgggtgagtg agacc008cg cccacggtca atccccgcaa 100

     atttcctggg ccctccccga cggcctncct gcccttttgt tttaantttt 150

     tattaaaatg cttaggatac agattgantt tttttgtaa atgactgttt 200

     tanttttcct gaagtaggan atatatgcac tttgataaaa cagaatgaga 250

     agtnataatt catgggnatt cntatacaag gtgctgatcc tgtgtttgga 300

     gntgagntcc tcacagcagn tttttttcagc tattt 335


<210> 103
<211> 355
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 107, 145, 150, 168, 174, 195, 239, 254, 285, 295
<223> unknown base

<400> 103
     tacogcgttc atttttttng ccatttggca cattatagca tttgatgagc 50

     tgaagactga ttacaagaat cctatagacc agtgtaatac cctgaatccc 100

     cntgtanttc cagagtacct tatccacgct tttttttctgt gtcangtttn 150

     tttgtgnagc agagtgntt acantgggtt tcaanatgcc cctttttggca 200

     tatcatattt ggaggtatat gagtagacca gtgatggang ccccaggaat 250

     ttangacttct acaaccatta tgaatgcaga tattntagca tattntcaga 300

     aggaaggatg gtgcaaaata gcttttttatt ttttagcatt tttttactac 350

     ctata 355


<210> 104
<211> 455
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
```

<222> 43, 76, 166, 187, 203, 209, 251, 291, 326, 338, 341, 388, 398
<223> unknown base

<400> 104
cggtggaat ttagtttttc caggatgtgg ttgcccttc cgntgtgggg 50

cgaaaggggc cccagaacc gaccanaccg tggcaagaga cccagaaccc 100

gaggacaaa aattgtatga gaagaaccca gattcccatg gttatgacaa 150

ggacccgtt ttggangttt ggaacatgcg aattgtnttc tttctttggc 200

gnntccatna tcctggtcct tggcagcacc tttgtggcct atttgcctga 250

ntacaggatg aaagagtggt cccgccgcga agctgagagg nttgtgaaat 300

accgagaggc caatggcctt cccatnatgg aatccaantg ntttgacccc 350

cgcagatcc agctgccaga ggatgagtga ccagttgnta agtggggntc 400

aagaagcacc gccttcccca ccccctgcct gccattttga cctttttttca 450

gag 453

<210> 105
<211> 449
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 39, 72, 75, 123, 153, 164, 191, 227, 233, 251, 254, 314, 341,
      353, 356, 365, 379, 434
<223> unknown base

<400> 105
aacttcagtg agggtgccgt tanctgctgt tcctgcagng attatgggga 50

ttttttttcgg gggtttgtgc gntangaatt tgaggccgac gcccattggt 100

gnncagagag acgcaacaag aanttgagga catggagaac gaattttact 150

atngctaccc aagnttccag gaagtgcaag tgatggtttt ngtgggcttc 200

cgcttcctca tgacttcct gcagcgntac ggntttagcg ccgtgggctt 250

naanttcctg ttggcagcct tcggcatcca gtgggcgctg ctcatgcagg 300

gntggttcca cttnttacaa gaccgctaca ttgttgtggg ngtggagaac 350

ctnatnaacg ctgantttg cgtggcctnt gtttgcgtgg cctttggggc 400

aqttttgggt aaagtcagcc ccattcagct gctnatcatg actttttttc 449

<210> 106
<211> 394
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 74, 87, 114, 132, 136, 246, 340, 345, 349, 376
<223> unknown base

<400> 106
gggaaacttg ggaggaacat gcaggagtgn atttgttttg gtgggggttt 50

tcctggcctg gttcaggcct gccntgagcc ctgggantgt ggggaaaagt 100

atggtttcca gatngccgac tgtgcctacc gngacntaga atccgtgccg 150

cctugttccc ggccaatgtg aatacactga gcctgtcagc caaccggtgc 200

cagncttgcc ggagggtgcc ttcagggagg tgcccctgct gcagtngctg 250

tggntggcac acaatgagat ccgcacggtg gccgccggag cctggcctt 300

tttgagccat ttcaagagcc tggacctcag ccacaatttn atttntgant 350

ttgnctggag cgacctgcac aacctngttg ctgtccattt tgag 394

<210> 107
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 23, 41, 71, 95, 153, 166, 196, 361, 367, 414, 499
<223> unknown base

<400> 107
cccaagggtn cgaaatttgg aangttcata ggttcttcaa ngtccttcat 50

tccntggtag acaaatccaa natcaaccga cagttggagg tatanacaag 100

cggaggacc ctgagagtgt ggctggggag tatgggcggc attccttta 150

caaaatgntt ggttanttca gcctggtcgg gttttttccgc ctgcantccc 200

tgttaggaga ttactaccag gccatcaagg tgctggagaa catcgaactg 250

aacaagaaga gtatgtattc ccgtgtgcca gagtgccagg tcaccacata 300

ctattatgtt gggtttgcat atttgatgat gcgttgttac caggatgcca 350

tccgggtttt ngccaanatc ctccttt aca tccagaggac caagagcatg 400

ttccagagga ccangtacaa gtatgagatg attaacaagc agaatgagca 450

gatccatgcg ctgctggcca ttgccctcac gatgtacccc atgcgtatng 500

atgagagcat tcacctccag ctgcg 525

<210> 108
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 14, 135, 137, 165, 219, 309, 322, 334, 339, 341, 379, 386,
      405, 417, 423, 430, 465, 480
<223> unknown base

<400> 108
gacccatccc angngtccgg agatcatgag gatgtttttt aatggccggt 50

```
acatcctcct gctgatgggg ctgttttcag tgtacactgg cttcatttac 100

aacgatgctt ttcaaagtca gtcaacctgt tcggntntgg gtggaacgtg 150

tcggccatgt acagntccag ccacccaccc gcagagcata agaagatggt 200

gctttggaac gacagcgtng ttagacacaa cagcattttg cagctggatc 250

caagcattcc tggagtgttc cgaggccctt atccccttgg cattgatcct 300

atttggaant tggccacaaa tngcctcact ttttaaant nttcaaaat 350

gaaaatgtcc gtgattttag gaatcattna tatganttt ggagtcattt 400

tcggnatatt taaccanttg canttcaggn agaagttcaa cattaccctg 450

gttttccatcc cggaanttct tttcatgctn tgtattttg gatacccta 498
```

<210> 109
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74, 110, 139, 142, 213, 233, 276, 292, 320, 348, 405, 413, 418,
      420, 448, 469, 490, 492, 500, 511, 545, 552
<223> unknown base

<400> 109
```
raaggcttc aggtcccctt ccttacccca ggttttttcac agaatggatt 50

ccagcggga aattgcagag gaantgcggc tttaccaatc cacccttttt 100

caggatgtn taaaagattt cctggatgag aaaaaattna tngattgcac 150

cctaaaagca gggacaaaag ttttccttgc cacagattga ttttgtcagc 200

ttgtagtcct tanttccggg agtacttttt atntgaaatt gatgaggcga 250

aaaaaaagga ggtagtgcta gacaangtgg atcctgctat anttgattta 300

atcatcaaat acctgtactn tgccagtatt gatctcaatg acggaaangt 350

gcaagatatt tttgcattgg ccagccgctt tcagatcccc tcagtgttta 400

ctgtntgcgt ttnttatntt cagaaaagan ttgctcctgg taactgtnta 450

gccatcctaa gattaggant ttttttgac tgccgagan tngccatttn 500

tgccgtgaa nttgtgtctg atcgctttgt acagatttgt aaggnagagg 550

antttatgca actgtttcca cag 573
```

<210> 110
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 159, 163, 210, 224, 244, 278, 302, 351, 359, 361, 366, 395,
      404, 415, 417, 454, 472, 481, 499
<223> unknown base

<400> 110

gcattatttg aatgcagcat ggcagctatt atcaccttaa ttgggagtga 50

tcccaggggg ggttctttat attcgttcat gtcgagtatt gatgctttct 100

gactggtaca cgatgcttta caacccaagt ccagattacg ttaccacagt 150

acactgtant cangaagcgt ttacccacta tataccattg tatttatttta 200

ttacgcatn tgcttggtat taangatgct gctccgacct cttntggtga 250

agaagattgc atgtgggtta gggaaatntg atcgatttaa aagtatttat 300

gntgcacttt actttttccc aattttaacc gtgcttcagg cagttggtgg 350

nagccttina naaaangcct tcccatacat tatattagtg ttatntttgg 400

trantctggc tgtgnanatg tctgctttttg aaatagagaa ctgctatgat 450

titntggtca gaaagaaaag anttattgtt ntttcagcc actggttant 500

tcatgcctat ggaataattt ccatttccag 530

<210> 111
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 37, 99, 101, 286, 303, 329
<223> unknown base

<400> 111

ggtcactgtg agcaggtggt attnacagcc tgcatgaccc tnacggccag 50

tcctggggtg ttcccgtca ctgtacagcc accgcantgt gttcctgana 100

ngtacagnaa cgccacgctt tggtacaaga ttttcacaac tgccagagat 150

gccaacacaa aatacgccca agattacaat ctttctggt gttataaggg 200

ggccattgga aaagtttatc atgctttaaa tcccaagctt acagtgattg 250

ttccagatga tgaccgttca ttaataaatt tgcantcat gcacaccagt 300

tanttcctt ttgtgatggt gataacaang ttttgctatg ctgttatcaa 350

gggcag 356

<210> 112
<211> 711
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 46, 73, 91, 128, 134, 145, 151, 192, 205, 216, 218, 239, 356, 385, 409, 415, 448, 471, 496, 506, 562, 568, 599, 671, 675, 684, 693
<223> unknown base

<400> 112

aagggtccgg ttggttcatt taangtatat taaattgaaa gggttncttt 50

cagtcattgg aacagtttgt atnattggga acacccaacc natgttagta 100

ggatgggatg tgttacagtg tgtttaaaac attntaaatt acagngcatg 150

ngcttatgtc cgttggttat ttgttgagca gtaaatttag gnggaatatt 200

ttttntattt tcctcnangg gataggcaag ctgtgggna gcacaggctt 250

tggagcaagc agattgatt gtgaccttat ataagtttca atttccctgt 300

crgtaattag atccccactt tattgggttg ttgtaaggat taaatgaagt 350

aattntgta aaacataatg actgatacaa agtagnaaat aagtaaattt 400

tnaattttnt ttcanttttg caccagcata cagacatagt atgtttcttt 450

ttgaccaaat agaacagaat nagatgtgta ataatataag agtganttag 500

cagttntagt tatttaccta atagaaatga gtgcatatgt gtgccagaag 550

anatgtatag gnatgttnat agcagcattg cttgtgatag cccaaaaant 600

ajaaacaccc acagatttaa caacagtaga atggattaat aaattgtggt 650

atattcataa aatgcaattt nattnaacaa cagnagcgaa cacagtantg 700

gtacacacac c 711

<210> 113
<211> 507
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 101, 263, 376, 397, 426
<223> unknown base

<400> 113
gctggaaata tggatgtcat ctacgagaaa ctgtttttaag ccacagacaa 50

ttaaaagacc tttaaatcct ttggcttctg gtcaagggac aagtgaagag 100

nacacttttt acagttgcgt agaaggtctc tgtgtagaaa aaagagcatt 150

ctacagactt atatctggcc tacatgcaag cattaatgtg catttgagtg 200

caagatatct tttacaagag acctggttag aaaagaaatg gggacacaac 250

attacagaat ttnaacagcg atttgatgga attttgactg aaggagaagg 300

tccaagaagg cttaagaact tgtattttct ctacttaata gaactaaggg 350

ctttatccaa agtgttacca ttcttngagc gcccagattt tcaactnttt 400

actggaaata aaattcagga tgaggnaaac aaaatgttac ttttggaaat 450

acttcatgaa atcaagtcat ttcctttgca ttttgatgag aattcatttt 500

tttgctg 507

<210> 114

<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 58, 61, 85, 149, 169, 204, 255, 261, 300, 317, 324, 326, 329,
      354, 397, 535
<223> unknown base

<400> 114
cnttgaaaat tatggtgtgg ccggaaccaa anaactttgc tttattgggg 50

nctaggcntt naagtttcca ggggcaccct ttggngccag ccccatgcag 100

gngatttttg gaagtgtgca ggtgcctgta tggttcagta ccagaagtnt 150

ttcttggctt ttgaagttng aggcaaggcc tgggtgccca ggccggtgcc 200

ncgcntggggt tcaagcggac cagttccatg gattccccag gaggtcccct 250

gnccntcccc ntgttcaaag gaggggttgg cggtgcaggg gcaacccctn 300

gnaagcgggg tgttttnttt tttntngang ccttccgggt gaaacccttt 350

ttcgntccata tgccctaaaa ttatttggga aggctggga agtaggnttt 400

gggtccatgc ctaaatttgt acggttttat tcctcaaggc ctatagcctg 450

tnaatccttg aagcctttt tgcctgtcc tccgatcctt gtcccaccgtt 500

tatttattgc ccaatttatt gtttatacgg atgantggga ggcaatgcac 550

c 551

<210> 115
<211> 404
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 51, 65, 87, 97, 117, 158, 180, 201, 203, 237, 291, 300, 309,
      348, 381
<223> unknown base

<400> 115
gcagaggttg agcggcagaa anataaaacc cttgaaagtg ccttccctgg 50

ntccagccat catcntcatc ctccctgggg tcgtcangtt catggtntcc 100

ttcattggtg tgctggngtc cctcccgtga caacctgtac cttttcccaa 150

gcattcangt acatccttgg gattgcctn atcatggagc tcattggtgg 200

ngnggtggcc ttgaccttcc ggaaccagac cattganttc ctgaacgaca 250

acatttgaag aggaattgag aactactatg atgatttgga nttcaaaaan 300

atcatggant ttgttcagaa aaagttcaag tgctgtggcg gggagganta 350

ccgagattgg agcaagaatc agtaccacga ntgcagtgcc cctggacccc 400

tggc 404

<210> 116
<211> 274
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 123, 129, 173, 186, 224, 267
<223> unknown base

<400> 116
gtcattccc ccgcttttat atcctgtaca caattttcat gaaaggattg 50

cagatgttat gggctgatgc caaaaagggt agaagaataa agacaaatat 100

ctgaagcac aatataaagt ttnatcaant tccataccgg gagatggagc 150

attgagaca gttccgccaa gangtcacca agtgtntttt cctaggtatt 200

attcattc cacctttgc caantacctg gttttttttgc taatgtacct 250

gttttccagg caaatantga tcag 274

<210> 117
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 44, 55, 86, 114, 117, 157, 167, 197, 207, 236, 261, 275, 292,
      299, 302, 317, 341, 343, 366, 373, 446, 452, 481, 497
<223> unknown base

<400> 117
gggtggaatc ccaatttttg gggggaagnt ttccggaggt tcanttaagg 50

gaagnaattt caaaatgaaa attcaaagta gtgttngccc agagttgatt 100

gtgatcagca tttnganata gtccagagat acaggataag caaatacccca 150

aacttnaaa ttgtttngta aatgggatga tgatgaagag agaatanagg 200

gttcagngat cagtgaaagc attggcagat aacatnaggc aacaaaaaag 250

tgacccatt naagaaattc gggganttagc agaaatcacc antttttgatn 300

gnagcaaaag aaatatnatt ggatattttg agcaaaagga ntnggacaac 350

tatagagttt ttgaangagt agngaatatt ttgcatgatg actgtgcctt 400

ttttttttgca tttggggatg tttcaaaacc ggaaagatat agtggngaca 450

anataatita caaaccacca gggcattttg ntccggatat ggtgtanttg 500

gg 502

<210> 118
<211> 278
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 34, 36, 93, 104, 147, 151
<223> unknown base

<400> 113
aaagcccaag ttaccagctg ttcaaaaaac agtngngatt tcagtttcac 50

gattgttgac ccggtgattt ccccagtgct gaacattatg gtnattcaaa 100

caqtaacaga ccgacatata acattacatt gcctttcagt caatggntcg 150

ntgcccatca attacacttt ttttgaaaac catgttgcca tatcaccagg 200

tattttcchag tatgacaggg agcccgaacc ccttgc 236

<210> 119
<211> 204
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 33, 64, 129, 167, 172, 198
<223> unknown base

<400> 119
atatgcagag agactgggtg ntccgagctc caatcaggtg aaagaatttg 50

tggcaattgt tgangtgaaa ggagaatttc attacatttt ggatccaaag 100

caagcactga tgaagctcac cctaggtant gcaggcagtt tatttcccca 150

agcattgtac attttgnttg anttcatatg gagttttta ttcaaaantt 200

cagc 204

<210> 110
<211> 438
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 55, 92, 121, 142, 154, 170, 293, 315, 323
<223> unknown base

<400> 110
gttattgtga acttgtgga gatgggaggt cntggggctg tgttccatgg 50

ngagctggat accangtttg tgtggaagtg ccccgtgttt gntatgccga 100

tgctgtccta gtggaaacaa ntccactgta attagattga tntatgcact 150

tttnttgctt gttggagtan gtgtagcttg tgtaatgttg ataccaggaa 200

tggaagaaca actgaataag attcctggat tttgtgagaa tgagaaggt 250

gttgtcctt gtaacatttt ggttggctat aaagctgtat atngtttgtg 300

ctttggtttg gctangttct atnttcttct ctctttacta atgatcaaag 350

tgaagagtag cagtgatcct agagctgcag tgcacaatgg attttggttt 400

tttaaatttg ctgcagcaat tgcaattatt attggggc 438

<210> 121
<211> 229
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 56, 71, 79, 92, 110, 116, 138, 152, 192, 207
<223> unknown base

<400> 121
tggagataag aggttacagc aaattacatg atgacctagg agagtttcca 50

tatcgatcgt ttgaanttgt ngctagtana aaatctttcc tnttttttcac 100

tgacatgttn attttantgga ttcacagagg ccttcatnat agactggtat 150

ataagcgcct anataaacct caccatattt ggagattcct antccatttg 200

caagtcntgc ttttcaccct attgatggc 229

<210> 122
<211> 273
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 34, 193, 202, 213, 230
<223> unknown base

<400> 122
tgcgcctggc ctgatggttc antttttttt aaantttttt atcagtacaa 50

attatcggat aacatatgaa attttattat gtgtatgtaa tgcatagtga 100

taaagtcaag gtattttacgg tgtccataac ccaaatacaa tacattttg 150

taactatagt caccctgctt ttttatcaaa cattgaattt attccttnta 200

tnttattat gtgtgtantt tttaacacan ttctcttcat cttcccttct 250

cctccraatc accocttcccg tcc 273

<210> 123
<211> 776
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 61, 73, 130, 219, 343, 351
<223> unknown base

<400> 123
agaaggggggg gtgaaagtgg ttgcccagta atggccagaa accaaccacc 50

agaggccagg ntgaaagaca agntccgggt gtcctggggc tgacgggcca 100

accatgtggc aggtccagg cccaccan tgcgccatcc gcctttgagc 150

tccacagtgg tcccactaat gggaacctcc tttagggaga gtgatactgc 200

accttcaccc gtaggaatna tatttataac aatgtgtaat ggctgtagca 250

aaaagccctt gtttttagat gtaaatggtc aaagaaacaa gcgctttatt 300

gttttgaata aaatagttca aatgagtcct gtatcattgt atntcctatt 350

ntggattagt gcctttttgga cgattg 376

<210> 124
<211> 437
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 53, 55, 69, 85, 124, 151, 175, 196, 225, 247, 253, 262, 266,
      275, 313, 316, 331, 334, 347, 349
<223> unknown base

<400> 124
atggaaaatt ttttttaggg gggggtggtt cntgagcgaa ggtgggcgga 50

cgngnggggg attttttttnt ggccctgttc cttcngagcg ttccgccgtt 100

gccgcctgg ccctacgga gtcnttagcc aggatggagg ctgttgtgaa 150

nttgtatcaa gaggtgatga agcangcaga tccccggatc cagggntacc 200

cttga ggg gtcccccttg ctaangacct ccattttcct gacctangtg 250

nananttgttt tntcanttgg gcctngcatc atggctaatc ggaagccctt 300

cnagctccgt ggnttnatga ttgtttataa nttntcactg gtggcantnt 350

nccttacat tgtttatgag ttcctgatgt cgggctggct gagcacctat 400

acctggcgct gtgaccctgt ggaatattcc aacagcc 437

<210> 125
<211> 441
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 177, 227, 251, 367, 370
<223> unknown base

<400> 125
aagtagggaa gtgtatttcc agntacagat ttgatcccgt tggagtggat 50

atcacttcga aaggaaaaat gagagcaaga tatgtgaatt acatcaaaac 100

atcagaggtt gtcagactgc cctatcctct ctaaatgaaa tcttcaggtc 150

cacttcttac tttattaaaa gggaatngtg gggctggaca gactttctaa 200

tgaacccaat ggttatgatg atggttnttc ctttattgat atttgtgctt 250

ntgcctaaag tggtcaacac aagtgatcct gacatgagac gggaaatgga 300

gcagtcaatg aatatgctga attccaacca tgagttgcct gatgtttctg 350

agttcatgac aagactnttn tcttcaaaat catttggcaa atttagcagc 400

```
ggcagcagta aaacaggcaa aagtggggct ggcaaaagga g 441

<210> 126
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84, 86, 96, 101, 112, 153, 220, 225, 297
<223> unknown base

<400> 126
 ctttcccct ggcggtgaga gtgcagagac gaagtgcgag atgagcatta 50

 tcttcgcgga catctcctca tcgttttat ctcngngtgc acggtntgtt 100

 ngcagagggc anaacctggg tcctggttta caggacagac aagtacaaga 150

 gaatgaaggc agaagtggaa aaacagagta aaaaattgga aaagaagaag 200

 gaaacaataa cagagtcagn tggtngacaa cagaaaaaga aaatagagag 250

 acaagaagag aaactgaaga ataacaacag agatttatca atggttngaa 300

 tcaaatcat gtttgttatt ggcttttgtt ttactgccct aatgggaatg 350

 ttcaattcca tatttgatgg tagagtggtg gcaaagcttc cttttac 397

<210> 127
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 67, 70, 95, 114, 170, 179
<223> unknown base

<400> 127
 attttttag tatatccaca gagttgtgca accatcaatt ttagaacatt 50

 ttcatcacaa attttgngcn tgtaatagtt tcctagagct gtttnttaac 100

 gaagtatcac aagntgggtg gcttaagaca acagaaatgt attcctggcc 150

 gggtgcagtg gctcacgccn gtaatcccn 179

<210> 128
<211> 561
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 37, 57, 82, 119, 150, 174, 184, 202, 217, 225, 303, 332, 354,
      375, 429, 443, 490, 509, 523, 527, 547
<223> unknown base

<400> 128
 atttcccttc cttttttccc gcccngtatt tttttnaac cttttttccca 50

 cctttgnttg ggtagccatg gggggagccg tnggggggcaa tcagtcccat 100
```

tccatttcct tgttgtccnt tgggagccga gccgttccgc gcccggtggn 150

ggcgggagcc caggagcctg cccngcctgg ggangaagag tgcagttctt 200

cntggcggtg cacgatntga ttttntggag agatgtgaag aagactgggt 250

ttgtttttgg caccacgctg atcatgctgc tttccctggc agctttcagt 300

gtnatcagtg tggtttctta cctcatcctg gnttttctct ctgtcaccat 350

cagnttcagg attacaagt ccgtnatcca agctgtacag aagtcagaag 400

aaggccatcc attcaaagcc tacctggang tagacattaa ttntgtcctc 450

agaagctttc cataattaca tgaatgctgc catggtgcan atcaacaggg 500

ccctgaaant cattatttgt ctntttntgg tagaagattt ggttgantcc 550

ttgaagctgg c 551

<210> 129
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 59, 68, 174, 185, 332, 343, 366, 369, 375, 388, 405, 465,
      402
<223> unknown base

<400> 129
 tgttcctcaa tccaatttcc ggattttaga atgcccgtaa aaaatttata 50

 attttantnt caagaaanat tttaccaggg gcaattgtaa aggttttatt 100

 aattttaac ctttggcctt ttttttaag taaggcaatt aatataaatg 150

 taaaatatac aatattaaca aacntggttt ccagnttgta catttagtaa 200

 atattaata ttaattacga gttattgagg tttaaagtag gctgtgcatg 250

 tgtaattata ttttattatg ttcagttttc catggcaatt gcctagtttt 300

 taaagttat tataatcctt atgtttgtga tnttttttca tantttatta 350

 tttacaggag tccagntant tgctnttta gttcccantt tgatatttta 400

 nctgntggat gaaaatttt ttgcctcagc aagttcagct tccaaagatt 450

 ttcatgagtt tgcantccag aatttaatgc atattggacc tntgtatcca 500

 natgcttta agacagtaat gggggc 526

<210> 130
<211> 429
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 267, 330
<223> unknown base

<400> 130
```
aaataaattt ttcatcccat tatgcatttt gtttgtaaat gtaaatttta 50

aaaatatggt aataacatt tcaacctgtt tattacaact taaaaggaat 100

tcagtgatt tgtttttatt ttttaacaag atttgtgaac tgaatatcat 15_

gaaccatgtt ttgatacccc ttttttcacgt tgtgccaacg gaatagggtg 20_

ttgatattt ttttcatatgt taaggagatg cttcaaaatg tcaattgctt 25_

taaacttaaa ttacctntca agagaccaag gtacatttac ctcattgtgt 30_

atataatgtt taatatttgt cagagcattn tccaggtttg cagttttatt 35_

tcttaaagt atgggtatta tgttgctcag ttactcaaat ggtactgtat 40_

tgtttatttt tgtaccccaa ataacatcg 429
```

<210> 131
<211> 372
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 126, 261, 347
<223> unknown base

<400> 131
```
gggggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 50

gtcaggctga aagacaagct ccgggtgtcc agggctgac gggccaacca 100

tgtggcaggt cccaggcccc acccantgcg ccatccgcct ttgagctcca 15_

cagtggtccc actaatggga acctccttta gggagagtga tactgcacct 20_

taaccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 25_

gcccttgttt ntagatgtaa atggtcaaag aaacaagcgc tttattgttt 30_

tgaataaaat agttcaaatg agtcctgtat cattgtatct cctattntgg 35_

attagtgcct ttggatgat tg 372
```

<210> 132
<211> 252
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 37, 58, 95, 154, 204
<223> unknown base

<400> 132
```
ggatatcttt ttccatccct ttattttcag tcnatgngtg tctttatagg 50

tgaaatgngt ttcttgtggg caacagatca atgggtcttg ttttnacatc 100

tattcagcca gtctatgtct tttgtttgga gagtttagtc gatttatggt 150
```

caangttatt attgataagt aatgatttct cccagttttt tttctggttg 200

tttngtggtc ttctcttctt tctttctttc tttctttcct tcccgctccc 250

ag 252

<210> 173
<211> 139
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 97, 118
<223> unknown base

<400> 173
gtatgtacat gtgtatggtg tgtgcatgta ggtgtggtgt gcgtgtgcgt 50

gqtgtgngtg catgtgtatg tgtgtggcat gtatgtgtac ggtatgtata 100

tqtgtgctgt gtgtgcangt gtgtgtatgt gtgtttttg 139

<210> 174
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1. 7, 187, 366
<223> unknown base

<400> 174
gggqaaaaat atctgttaca aatttataat ttcaagacaa attgaatctt 50

actttataat acttttggaa tttcattaat aaggctaaaa tttgaggaat 100

ataaataatt ttcagcctta agacatntaa gtttggaagt ccttgctatt 150

caacagaata acaagaaaac ttcagaatgt atcactntcc tgaaaagaag 200

atattaataa gcccttttat ttatggttat agtttttattt atagtctcaa 250

aattcctaaa gcaatgctac aaccattgaa tttgccatat tttgtatcag 300

tgctgttaat ttgctgttgc ctcaagaaaa agtgcttttt ctccatggat 350

qaggctagac cctcgn 366

<210> 175
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 158
<223> unknown base

<400> 175
agggggttct tgacattttg ttcaaatcct ngtaacaatc tgtctttagc 50

tttatttttnt gagaaactga gcaaacctgt ttccattgcc ttcttagaag 100

ggttcatgta tatagcacta cagaagcata atgaagtttc tcagctccca 150

aaattatngt tattatactg ctattatac 179

<210> 136
<211> 483
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 39, 54
<223> unknown base

<400> 136
tattcgngat tgactcctct tnctaagtgt cgcgccccnt ttagagcagc 50

gatntaagag agccgtcccg gtgtcctcgg gtcccagtga ttgtgaagtg 100

ctgccanttg ccactggaca tacttgaaac aaaataggaa aatggcagca 150

aactcttcag gacaaggttt tcaaaacaaa aatagagttg caatcttggc 200

agaactggac aaagagaaaa gaaaactact tatgcagaac cagtcttcaa 250

cagaatcntcc tggagctagc attgcactct cgagaccctc tcttaataag 300

ganttccggg atcacgctga gcagcagcat attgcagccc aacagaaggc 350

agntttgcag catgctcatg cacattcatc tggatacttc atcactcaag 400

acnctgnatt tgggaacctt attcttcctg ttttaccctcg ccctgaccca 450

gaatganngaa aacatttgcg atggaaaagt gac 483

<210> 137
<211> 508
<212> DNA
<213> Homo Sapien

<400> 137
cttgagcgag ccagttgccg gattattcta tttcccctcc ctctctcccg 50

ccccgtatct cttttcaccc ttctcccacc ctcgctcgcg tagccatggc 100

ggagccgtcg gcggccactc agtcccattc catctcctcg tcgtccttcg 150

gagccgagcc gtccgcgccc ggcggcggcg ggagcccagg agcctgcccc 200

gcccctgggga cgaagagctg cagctcctcc tgtgcggtgc acgatctgat 250

tttctggaga gatgtgaaga agactgggtt tgtctttggc accacgctga 300

tcatgctgct ttccctggca gctttcagtg tcatcagtgt ggtttcttac 350

ctcatcctgg ctcttctctc tgtcaccatc agcttcagga tctacaagtc 400

cgtcatccaa gctgtacaga agtcagaaga aggccatcca ttcaaagcct 450

acctggacgt agacattact ctgtcctcag aagctttcca taattacatg 500

aatgctgcca tggtgcacat caaacagggc ctgaaactca ttattcgtct 550

ctttctggta gaagatctgg ttgactcctt gaagctggct gtcttcat 598

<210> 158
<211> 320
<212> DNA
<213> Homo Sapien

<400> 158
gcttagcaga catgcaaaag cttattcttg tgtgacttac tttctttaag 50

ctaataatat aaaaataaat atgtatctta aaaatctata ataaaacatt 100

agaaattaaa gatatgtgct ttttattttg cagatgagtt catttgcttt 150

tgtagatgtg ttttcagagc taggtacaga ggaatgtttg ctacctttag 200

cggtgaaaaa agaaagagag tcaagaattt tgttggattg tgtttgtgtg 250

tgcatatatt tgatatcatc attatatttg taatcttgg acttgtaatc 300

atagcctgtt tattctactg 320

<210> 159
<211> 497
<212> DNA
<213> Homo Sapien

<400> 159
ggacgggtg ggctgcttgc cgccctcttt ggatacctaa cattttacga 50

acatgttgag tcagaattgc ttcatacsta ctcttctatc ttgggaactg 100

atattcttct tctcatcgtt cgtctggctg tgttaatggc tgtgaccctg 150

acagtaccag tagttatttt cccaatcggg agttctgtaa ctcacttgtt 200

gtgtgcatca aaagatttca gttggtggcg tcatagtctc attacagtgt 250

ctatcttggc atttaccaat ttacttgtca tctttgtccc aactattagg 300

gatatctttg gttttattgg tgcatctgca gcttctatgt tgatttttat 350

tcttccttct gccttctata tcaagttggt gaagaaagaa cctatgaaat 400

ctgtacaaaa gattggggct ttgttcttcc tgttaagtgg tgtactggtg 450

atgaccggaa gcatggcctt gattgttttg gattgggtac acaatgc 497

<210> 140
<211> 105
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 11
<223> unknown base

<400> 140
acttcaatgt ntacacatgg ccattgaaaa atacagagtt tacagaatta 50

tttcagagaa gtcattaaag aaacaaacat taacacaccc tgcagagtgg 100

gggag 105

<210> 141
<211> 473
<212> DNA
<213> Homo Sapien

<400> 141
tccccgttgc tgacgcttca tcccccacac ctccagcccc agttacctgg 50

agcttctcag aacccacttt gccggtgcta aaacaaaaga ggggggtgaaa 100

gtggctacca gtaatggcca gaaaccaacc accagaggcc aggctgaaag 150

acaagctccg ggtgtccagg ggctgacggg ccaaccatgt ggcaggtccc 200

aggcccacc cactgcgcca tccgcctctg agctccacag tggtcccact 250

aatgggaacc tcctctaggg agagtgataa tgcaccttca cccgtaggac 300

tcatatttat aacaatgtgt aatggctgta gcaaaaagcc cttgtttcta 350

gatgtaaatg gtcaaagaaa caagcgctct attgttttga ataaaatagt 400

tcaaatgagt cctgtatcat tgtatctcct attctggatt agtgcctttt 450

ggacagtaga ctgttctgta aaa 473

<210> 142
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 105, 110
<223> unknown base

<400> 142
tccatgtgaa ttttgcttaa tggaatgctt tatttaagca tttaggcaga 50

gttgacacan ttaaaggtac aaagcccaga ggaattggta gagcagcacc 100

gtgantgccn tgaggcagtg gagtcagtag cgttgtcccc agggccttga 150

gtgctggag gtgcttggcc tccagtagct gcctccattc tcttttaaaa 200

aaagggggtg attctgaggc actgaagtgc ctcccagatg tggaggagtg 250

aagccatcat cgaggccaca ctcagcactc caggatccca gcgatgtcag 300

acactcttga gttgtcaaaa cgttaatttt cagttttaaa taatcagttt 350

atctaagaaa agggaatttt aacttttcta ccttgagcca agccaatgaa 400

gggaaaatta attaacttag taaatttgaa gtgcagctct gttagctcgt 450

acatgtgggt tcttatcctg atcctgtgcc ttaaagtagg aagtgtttc 500

caagttcaga ttaaaataga agcagctggc cgggtgcggt ggctcacgcc 550

tgtaatccca gcactttggg aggccgag 578

<210> 143
<211> 1000

&lt;400&gt; 143
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caagagtctc gctccagcct ggtgatagag caagactccg tctaaaaaaa 50
aaaccaggag tganaaaaat aagagtcatt gaacttcatt tttttaaaaa 100
agaatatcac tttgctgtcc tttcaaatat agcatttccc caattaggta 150
cctgtttatt gagatttat aatgtaggta aatttttaat cagttttaa 200
ttgatacta attaacctcg agctcttgtc ctcctgcctt ttttcacttc 250
tttactcttg cagcattcct tcctagtacc ttctgtatgt acactacgtt 300
gatagccatg actggatggt atatggacag gacttccatt gctgtgctgg 350
gagtagcagc tggggctatc ttaggctggc cattcagtgc agctcttggt 400
ttaccattg cctttgattt gctggtcatg aaacacaggt ggaagagttt 450
cttccattgg tcgctgatgg ccctcatact atttctggtg cctgtggtgg 500
tcattgacag ctactattat gggaaagttg gtgattgcac cactcaacat 550
tgttttgtat aatgtctttta ctcctcatgg acctgatctt tatggtacag 600
aaccctggta tttctatttta attaatggat ttctcaattt caatgtagcc 650
ttgcttggg ctctcctagt cctaccactg actttctctta tggaatacct 700
gctgcagaga tttcatgttc agaatttagg ccacccgtat tggcttacct 750
tggttccaat gtatatttgg tttataattt tcttcatcca gcctcacaaa 800
gatcagagat ttcttttcc tgtgtatcca cttatatgtc tctgtggcgc 850
tgtgctctc tctgcacttc agaaatgtta cccactttgtg tttcaacgat 900
atcggctgga gcactatact gtgacatcga attggctggc attaggaact 950
gtctcctgt ttgggctctt gtcattttct cgctctgtgg cactgttcag 1000
```

&lt;400&gt; 144
```
aattggtagt ccctgttctt ttcatggttt tctggctcgt cttatttgnt 50
cttcagattt actcntatt tcnagtactt ngagatcagc ntgcataacg 100
```

```
tgagaggttt cttttccttt ttctgacaag tattgcggaa tgttgcagca 150

actacttact ctcttttggg tttggtcttc acggtttctt ttgttgcctt 200

gagtgttctc aacactntgc aagtttact tgcagggtta tcgagctttc 250

atgaatgatc ctgccatgaa tcggggcatg acagaaggag taacgctgtt 300

aatcctggca gtgcagantg ggctgataga actgcaggtt gttcatcggg 350

catttttgct cagtattatc cttttcattg tcgtagcttc tatcctacag 400

tctatgttag aaattgcaga tcctattgtt ttggcactgg gagcatntag 450

agacaagagc ttgtggaaac acttccgtgc tgtaagcctt tgtttatttt 500

tattggtatt ccctgcttat atggcttata tgatttgcca gtttttccac 550

atggattttt ggcttcttat cattattcc agcagcattc ttacctctct 600

tcaggttctg gg 612
```

```
<210> 145
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 115, 156, 247, 252, 277, 279, 292, 301, 314, 338, 356
<223> unknown base
```

```
<400> 145
aaaaaaaaaa accaaaacca aaaccagaa cgcttgttca agtttgtcct 50

gtcctgtcca tggataggcc agacctttgg tccagaaatt cagtttttca 100

ttgtgtgtga catagngact ccataatgtt ggttccattc tcttttcttc 150

ctcaanatca tgtgttttgt gggtctttgt tttgtttgt tttgttttgt 200

tttgtttgt ttttggtaga gttggagtct tgctgtgttg cccaagntga 250

tntccaattc ctgacctcaa acaggtntnt caccttggcc tnccaaagtg 300

ntgtggaattc aggngtgaac cacctcaccc agccaagntc acattttgaa 350

tntaanittt tttttgaaac agtgtcttgc attgttgccc aggctggaat 400

gcagtggtgc catcatggct cactgcagcc tcaacttcc 439
```

```
<210> 146
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 142
<223> unknown base
```

```
<400> 146
ggcagtctcc tagctgctct tacacactgc atagctgtgt gtgagtactc 50
```

ttttcatcca tcagtcagcc agggtttgca ggacagatcc ggcaagtggt 100

gccctgtatg aggaatgctg caacggatct ggactgaacc cntcaaaaat 150

aaagtgattg ctcagtcctc tttggatttc tgcgcgacat atgaaaccat 200

acratggcat ggctggaacc caacccggta ccaaaaataa aggaaatgac 250

cctgcaggac ctgcagcccc aaaacgatgc ggcttcctcg gacgacacag 300

gctccggaca ttatgctgaa gaagacaact caggaagctg agcaaatcct 350

gctccagaca caaacaccat tcatccaga taatctgttc cttgctatgc 400

cctccgttgt acattgcaac actcacaggg tattggtttt tcttattctc 450

tcactctgcc tgcaactcgt acctgctac 479

<210> 147
<211> 276
<212> DNA
<213> Homo Sapien

<400> 147
ttttttcttt gtgttgtcta taggaattaa cttgggattg ttttgtgggt 50

tttgtttgt tttaaatgta aattgagaat cttttataag aaataaaagc 100

attattgggt gcctttgttt gtaaaccaaa aagtaataaa tgaatcccta 150

tattccatt atagtattta ttgtattttt atgtttgaa aattaccat 200

ggaacaatat gcttaggatt acaggaagca gtcctacttt acacttcttg 250

tctcttttag gtgtacttgt taattc 276

<210> 148
<211> 451
<212> DNA
<213> Homo Sapien

<400> 148
gttttatact aatcaaccat tctgcaactt gttttttga tttaatctag 50

aacaacctca ttcttgtgta tagtacact cacaccacta tattggcttg 100

gtataataac tttccaactg gcttttgtct cagccatggg cagttcttt 150

tctcaccatc catctggcct caggttcccc tggagttttc cttctccag 200

cagtccttct ctgtctttgt atatctccag gctttagcaa tacgctcact 250

ctattttct ttttttgatt tcactttta aattaaagta ttgtaaaact 300

ggcttttgg tgcacagttt tgagaattc agtacatgaa cacatttgtg 350

ttccaccac cacaatcaag acagagggcc gttttattgt ccccaaagct 400

ccacatgcta tcctttcagg tctacttcct ttttactgtt tttgtaatca 450

c 451

<210> 149
<211> 268

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 167, 213
<223> unknown base

<400> 149
agaataattt tttaaacaca aattcaccat gtttctctac taacttggaa 50

tgcttaatgt gttcccattg tacctagaat aaatccaaac ttactttcca 100

gggtctgctc tccaagctgt acatgacctg gcccatagcc acctttctaa 150

actcgtcaca tccattntcc tcattgctca tggtgctgtg gacagtctgg 200

ttcctttctg ttnttctcca ctaccaagct cattcacact gcccctttc 250

caaggcctt ccctacac 268

<210> 150
<211> 749
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7?, 99, 114, 127, 132, 222, 373
<223> unknown base

<400> 150
ctaagttagg gtccttaaag gaacttactt tggatttatt ggcaaaatta 50

ttgtgggcac cttacccatt gngaaattat ttttagaggc ttgtaaaant 100

ttaaagttta gatnttattt gccttgntaa tntatttaac tttatggaaa 150

gtatttactg cttctgatca ggattttttg tttgctgtca aagtaaaagt 200

cactaccagt gtcactattt gntatggaag ccacaaacct tgtagtcatt 250

tcttaattat tttctttctt ttatttttcc attcccacat tcccttctca 300

tccccttttta attcattagc aagtatgctg ccagttctgc ttagtccgtc 350

tctctccctc cactggtaaa cctagccca aaccatcttc atctcttatc 400

tgtactaacg caagagcccc ttaactggta tccctcttc catttcttga 450

tctactaaaa tccatacgcc acatagtggc tagaataatt ttttaaacac 500

aaattcacca tgtttctcta ctaacttgga atgcttaatg tgttcccatt 550

gtacctagaa taaatccaaa cttactttcc agggtctgct ctccaagctg 600

tacatgacct ggcccatagc cacctttcta aactcgtcac atccattctc 650

cttattgctc atggtgctgt ggacagtctg gttcctttct gttcttctcc 700

actaccaagc tcattcacac tgcccctttt ccaaggccct tccctacac 749

<210> 151
<211> 105

<211> DNA
<213> Homo Sapien

<400> 151
ttttgtcatt ttgaaatttt tttttttttc accagccctg aatttttagtt 50

catccaagga taaactatta cttttcttat ttttctttaa ctatacaatt 100

aagac 105

<210> 152
<211> 631
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 77, 95, 135, 166, 178
<223> unknown base

<400> 152
tccttggaac attttttntag ggatatttcc atttgacttt attagattaa 50

tgaaattggg aaacctggac gtatatntaa actatactt ttgantatga 100

gcataacctt ttatttcctg tattttagaa aaagngacca tgttgtgatg 150

gcaatcattg tgcttntgca tacccagntg aatgtctgtg gaaactcagt 200

tattcttta aatagttatt atcagagata taattatta caaagtagtt 250

tttttgtttg taggtaaact attatagatt ttgctgttct cccaactgtt 300

ttcttggtgt atattttgaa aatataaacc ttaaatgtta gaacaaagaa 350

aacaaagca aaactcgaaa accttaactg tgcttgtaaa catttaaaat 400

atttttgtta gtttctctca attgagtaag agaacctggc tttcccacag 450

caatgatcca ggctttggta atacccccct ttatgtctct gtacttctgc 500

catctaaag ttgatttatt gtttgttact tttagtgatt ttaagtgctc 550

aatgaagttc cttggctttt tcatggcttt tcatttccaa ctaaattacc 600

tagccttttct tttaatgtct tccacccta c 631

<210> 153
<211> 522
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 44, 57, 65, 173, 183
<223> unknown base

<400> 153
tattttaaagc aatcttagtg gtatacccg ccccttttgcc ttanttaaga 50

ggagcantga aatgnatata cttgctgttc agtatttcca agtacccatt 100

tttatatagt agcttatttg accataagtc acacatcaaa aaaagattac 150

cccttagtgt atgtgtttta atnttagaaa atntggcata tgtactttat 200

ttttgaaaag ggaagagatg ggtgtggggt ggcaatagca ttgtgccatt 250

ttgtcataga atgtaaaaat tggttaactt tacaaatgtc agctagtttt 300

gactactaat tggggaaat tttagataat ttttaaattc aaagttattt 350

ataaaatgct agaatttgtt ttaatttttt tgtattttga gccacttcac 400

atgaagactc agttgcattt ttatcgaata cattttatc aacagttaaa 450

gactatggtg gttttttttca gagtttggct aagaatgttg ttaccatctt 500

ctttgttgt ggtacaatat tt 522

<210> 154
<211> 672
<212> DNA
<217> Homo Sapien

<220>
<221> unsure
<222> 34, 65, 94, 147, 152-153, 156, 179, 222
<223> unknown base

<400> 154
aatctattta aactttatgg aaagtattta actggnttct ggatcaggat 50

ttttttgt tgtntcaaa gtaaaagtca cttaccagtg tcantatttg 100

gtatggaag ccaacaaacc ttgtagtcat ttcttaatta tttttcnttc 150

nntanttt ccattccac attccccnt catcccctt taattcatta 200

gaagtatgc tgccagttct gnttagtccg tctctctccc tccactggta 250

aanctagcc caaaccatct tcatcttctt atctgtacta acgcaagagc 300

ccttaactg gtatccctcc ttccatttct tgatctacta aaatccatac 350

gacacatagt ggctagaata attttttaaa cacaaattca ccatgtttct 400

ctactaactt ggaatgctta atgtgttccc attgtacctta gaataaatcc 450

aaatttactt tccagggtct gctctccaag ctgtacatga cctggcccat 500

agccaccttt ctaaactcgt cacatccatt ctcctcattg ctcatggtgc 550

tgtggacagt ctggttcctt tctgttcttc tccactacca agctcattca 600

gactgcacct tttccaaggc ccttccctac ac 632

<210> 155
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 61, 91, 96, 108, 120, 157, 393, 478
<223> unknown base

<400> 155

ttttttatca ttttgaactt tatgganaaa ttgggcagcc aaaacgcttc 50

ccggggaagg ngccagcgaa gaatgcatcc taacgttagt naaggntgcc 100

aaggaggntg tgcaacatgn tcagattaca atggatgctt gtcatgtaag 150

cctagantat tttttgtttc tggaaagaat tggcatgaag cagattggag 200

tatgtctttc ttcatgtcca agtggatatt atggaactcg atatccagat 250

ataataagt gtacaaaatg caaagctgac tgtgatacct gtttcaacaa 300

aaatttctgc acaaaatgta aaagtggatt ttacttacac cttggaaagt 350

gcttgacaa ttgcccagaa gggttggaag ccaacaacca tantatggag 400

tgtgtcagta ttgtgcactg tgaggtcagt gaatggaatc ctggagtcc 450

atgcacgaag aagggaaaaa catgtggntt caaaagaggg actgaaacac 500

gggtccgaga aataatacag catccttcag caaagggtaa cctatgtccc 550

cctaacaaa 558

<210> 156
<211> 695
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4, 6, 29, 42, 55, 57, 70, 92, 115, 118-119, 585
<223> unknown base

<400> 156
atcnangtgg atgcagtctt cattgacana agtaacctgg anatcactcc 50

ggacnanccc cgctggatcn gagcctggtg gggtggcttt cngctctgcg 100

gtgccttaca cttcntcnnt tccctcttga tgtttgggtt tccacagtcc 150

ctgcccccgc actcagaccc cggccatggaa agcgagcagg ccatgctctc 200

tgaaagagaa tacgagagac ccaagcccag caacggggtc ctgaggcacc 250

ccctggagcc agacagcagt ggctcctgtt tccagcagct gagagtgatc 300

ccgaaggtca ccaagcacct gctctcaaac cctgtgttca cctgcatcat 350

cctggccgcc tgcatggaga ttgcagtggt ggctggcttc gctgccttt 400

tggggaagta cctggagcag cagtttaacc tcaccacctc ttctgccaac 450

nagctgcttg ggatgactgc gatcccgtgt gcttgtctgg gtatcttcct 500

tggaggtctt ttggtgaaga agctcagcct gtctgccctg ggggccattc 550

ggatggccat gctcgtcaac ctggtgtcca ctgntgcta cgtctccttc 600

ctcttcctgg gctgcgacac tggccctgtg gctggggtta ctgttcccta 650

tggaaacagc acagcacctg gctcagcct ggacccctac tcgcc 695

<210> 157

<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 5?, 66, 73, 85, 90, 124, 216, 429, 444, 474
<223> unknown base

<400> 157
tggaaagcca ttaaaggaat ttaaagttat tttacctgca gacctgaaaa 50

attatagaa ctgttnacat atntttgtat atcnttcan taggtgaact 100

tttcatgggc taaacagtac attngagtga aattctgaag aaacattta 150

aggaaaaaca gtggaaaagt atattaatct ggaatcagtg aagaaaccaa 200

gaccaacacc tcttantcat tattccttta catgcagaat agaggcattt 250

atgcaaattg aactgcaggt ttttcagcat atacacaatg tcttgtgcaa 300

caggaaaaca tgttggggaa atattcctca gtggagagtc gttctcatgc 350

tgacggggag aacgaaagtg acaggggttt ccccataagt tttgtatgaa 400

atatctctac aaacctcaat tagttatant gtacactttc attntcatca 450

anactgagac tatcctgtct cacntacaaa tgtggaaact ttacattgtt 500

cgatttttca gcagacttg ttttattaaa tttctattag tgttaagaat 550

gctaaatttta tgtttcaatt ttat 574

<210> 158
<211> 779
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 58
<223> unknown base

<400> 158
ctaattttat caaaggccnt ttttcccaaa gccatccatc atcccattat 50

ttatctgnac tgttgcaaca tggctattgt ctgaaatttt atgagttact 100

atcctgggat ttcccttat ctttctgtat tagaccttct gttcttgga 150

aactatgtca tccatcttga tgtactccct tatttgata gtgtatatcc 200

tttagtggct tcctaagaaa aagtgcatag atagtaaaat tttgagacct 250

tgcatagctg atagttttat tctaatctca ctcttggttg attagtttaa 300

cagggtagaa aatttcaggt tgaataccag ttttcttcag tatttgaagg 350

tgttatttta ttgatttcga acttcaaca ttgctgttga aatctgaagt 400

tattctgatt ctgatctttt gtatataagt ctttatgacc tctaaaagtt 450

ttcagaattc tgtttgttta tggaattctg aaagttgatg atgtaccata 500

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gtggaatact tttacattta ttgtactggg tattccaaag gcccttttta 550

tccaaaaact catgtctttt agtgctggaa atttttcttt tgttattttc 600

atatttttct tccccttttt tctcttttcg ctttctggaa tgcctgttgg 650

tcaaatgtca gatttctga ctcattctat acaattagaa agcacaccca 700

agtttcactg tggaactact ccagtgagcc cttcagtgtg gtcatctctg 750

ggcagagata ctatagattt actgctaag 779


<210> 159
<211> 359
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 60, 91
<223> unknown base

<400> 159
 tcaggatgtt cttaattggg gaagaaatca ttttttccnt acaaaaaact 50

 aagcacttcn tgggccgga ttacactgaa acattgtact nacccagagg 100

 agaggaaatt accatgaaac ctgagaacat ggaacactgt tactataaag 150

 gaaacattct aaatgaaaag aattctgttg ccagcatcag tacttgtgac 200

 gggttgagag gatacttcac acatcatcac caaagatacc agataaaacc 250

 tctgaaaagc acagacgaga aagaacatgc cgtctttaca tctaaccagg 300

 aggaacaaga cccagctaac cacacatgtg gtgtgaagag cactgacggg 350

 aaacaagg 358


<210> 160
<211> 352
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 55
<223> unknown base

<400> 160
 atgctgcgtg ggatctccca gntacctgca gtggccacca tgtcttgggt 50

 cctgntgcct gtactttggc tcattgttca aactcaagca atagccataa 100

 agcaaacacc tgaattaacg ctccatgaaa tagtttgtcc taaaaaactt 150

 cacattttac acaaaagaga gatcaagaac aaccagacag aaaagcatgg 200

 caaagaggaa aggtatgaac ctgaagttca atatcagatg atcttaaatg 250

 gagaagaaat cattctctcc ctacaaaaaa ccaagcacct cctggggcca 300

 gactacactg aaacattgta ctcacccaga ggagaggaaa ttaccacgaa 350
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acctgagaac at 362

<210> 161
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 150
<223> unknown base

<400> 161
gtttgggcta acaggatctc ctcttgcagt ctgcagccca ggacgctgat 50

tccagccgcg ccttaccgcg cagcccgaag attcactatg gtgaaaatcg 100

ccttcattac ccctaccgcc gtgcaaaagg aggaggcgcg gcaagacgtg 150

gagcccttcn tgagccgcac ggtcagaact cagatactga ccggcaagga 200

gctccgcatt gccacccagg aaaaaaaggg ctcctctggg agatgtatgc 250

ttacctctt aggcctttca ttcatcttgg caggacttat tgttggtgga 300

gccngcattt acaagtactt catgccaag agcaccattt accgtggaga 350

gatatgcttt tttgattctg aggatcctgc aaattccctt cgtggaggag 400

agctaactt cctgcctgtg actgaggagg ctgacattcg tgaggatgac 450

aacattgaa tcattgatgc gcctgtccc 479

<210> 162
<211> 307
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 55, 204
<223> unknown base

<400> 162
tgtcacaggt gggaaagaaa cggactgtgg gccctctctt ggattagcgg 50

ngacatacc attgntggtg gccacagccc tgctggtggc tttactattt 100

acttgattc accgaagaag aagcagcatt gaggccatgg aggaaagtga 150

cagaccatgt gaaatttcag aaattgatga caatcccaag atatctgaga 200

ctcntaggag atcaccaca catgagaaga atacgatggg agcacaagag 250

gccacatat atgtgaagac tgtagcagga agcgaggaac ctgtgcatga 300

ccgttar 307

<210> 163
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 188
<223> unknown base

<400> 163
tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tataggcttt 50

aaaatgtata tgtcttgcca tactgaaccc atgttgaagc catatttcca 100

caqtgtaata gctggcagaa ctgagttaag ggttgcccct tttagatgag 150

gcatatgctc tcccatcctc cacagttcac actatgcntg cttatctctt 200

actgatatta gatattagta atagtcacat ttatgcattg tctttatttta 250

aaaaaatagt tctctttttt atgacagtag caatagttag aatatgaaag 300

agtgaagagg atttatcctt gccctactca attccttgat atcatctgcc 350

tggtaatgag gtgttggagc tggctaatac tgacttatga gagcatattg 400

ttaaatattc aggaatttta ccagcagcaa ccaccattgg tagattggaa 450

tcagccacag tgggagtatt tacaccaggg aaatcaacga acattacaaa 500

tc 902

<210> 164
<211> 235
<212> DNA
<213> Homo Sapien

<400> 164
tttcaaaaaa aaaaagtgc ttctagtaaa taacacataa cttttgtttt 50

atcaccaat gttacagtcc ctctcttata ggagaaccca atccattcag 100

cttatcagtg atatgcctgt ttttgtgtgt tccatcggac tttgtttcct 150

tttttcgatt ttgttattgt ttccaccttt tcaattttct tacatttgtt 200

gggtctctca agcttctgtt tattcccctt ctccctcc 238

<210> 165
<211> 702
<212> DNA
<213> Homo Sapien

<400> 165
ccggctgctc gggcactgtc tatatacgcc taacacctac atatattta 50

aaaacattaa atataattaa caatcaaaag aaagaggaga aaggaaggga 100

agcattactg ggttactatg cacttgcgac tgattttcttg gctttttatc 150

attttgaact ttatggaata catcggcagc caaaacgcct ccggggaag 200

gcgccagcga agaatgcatc ctaacgttag tcaggctgc caaggaggct 250

gtgcaacatg ctcagattac aatggatgtt tgtcatgtaa gccagacta 300

tttttttgctc tggaaagaat tggcatgaag cagattggag tatgtctctc 350

ttcatgtcca agtggatatt atggaactcg atatccagat ataaataagt 400

gtacaaaatg caaagctgac tgtgatacct gtttcaacaa aaatttctgc 450

acaaaatgta aaagtggatt ttacttacac cttggaaagt gccttgacaa 500

ttgcccagaa gggttggaag ccaacaacca tactatggag tgtgtcagta 550

ttgtgcactg tgaggtcagt gaatggaatc cttggagtcc atgcacgaag 600

aagggaaaaa catgtggctt caaagagggg actgaaacac gggtccgaga 650

aataatacag catccttcag caaagggtaa cctgtgtccc ccaacaaatg 700

ag 702

<210> 165
<211> 365
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 34, 93, 126, 145, 151, 161, 195
<223> unknown base

<400> 165
ggattacaac ccccgggagc gcgccctnta tacntggaac aacggccacc 50

aggtgttata caatgtcacc ctgtttcacg tcatcagcac ctntgggggc 100

cctttcatt agtgcctgtg tcccncaag ggtgatctct atgtntatgt 150

nacgctctt ntcccgcct ttttgctggg cttttgttct ctgcntatgt 200

atttctgtct attttttcaa tttcccctct tctccttttat tgatctctgc 250

tttaataca ccacttcttt ctttctgcct ttttatggat gtcttttttct 300

tttatgget ctggttctcc agttctttcc gtctctgcct ctctctgtct 350

ctctctctct gtcct 365

<210> 157
<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 157
tcagcaaaac gtggatttaa atctcnttgc acaagcttga gagcaacaca 50

atttatcagg aagaaagaa agaaaaaaac cgaacctgac aaaaaagaag 100

aaaaagaaga agaaaaaaaa tcatgaaaac catccagcca aaaatgcaca 150

attctatctc ttggcaatc ttcacgggc tggctgctct gtgtctcttc 200

caaggagtgc ccgtgcgcag cggagatgcc accttcccca aagctatgga 250

caacgtgacg gtcggcagg gggagagcgc cacctcagg tgcactattg 300

acaaccgggt cacccggtg gcctggctaa accgcagcac catcctctat 350

gctgggaatg acaagtggtg cctggatcct cgcgtggtcc ttctgagcaa 400

cacccaaacg cagtacagca tggagatcca gaacgtggat gtgtatgacg 450

ag 452

<210> 168
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 110-111, 122, 134, 275
<223> unknown base

<400> 168
ggagtggctt ccctactgc gtgntttgac gcccatcccg gtgctcacgt 50

ggtttttccc ccatcatgg ccacatgggc atctgcacat ccacaggagt 100

cattcggnan ntcgcgggcc cntactttgt ctcngaggac aacatggcct 150

tgggaaagcc tgccaagtac tggaagttgg accctgctca ggtctatgct 200

agcgggccca acgcatggga cacggctgtg cacgacgcct ctgaggagta 250

caagcaccgc atgcacaatc tctgntgtga caactgccac tcgcacgtgg 300

cattggccct gaatctgatg cgctacaaca acagcaccaa ctggaatatg 350

gtgacgctct gcttcttctg cctgctctac gggaagtacg tcagcgttgg 400

ggccttggtg aagacctggc tgcccttcat cctтctcctg ggc 443

<210> 169
<211> 319
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 54, 163, 203
<223> unknown base

<400> 169
tgggagatgt atgcttactc tccttagcct ttcattcatc ttggcaggac 50

ttantgttgg tggagcctgc atttacaagt acttcatgcc caagagcacc 100

atttaccgtg gagagatgtg cttttttgat tctgaggatc ctgcaaattc 150

ccttcgtgga gggnagccta acttcctgcc tgtgactgag gaggctgaca 200

ttnngtgagga tgacaacatt gcaatcattg atgtgcctgt ccccagtttc 250

tctgatagtg accctgcagc aattattcat gactttgaaa agggaatgac 300

tgcttacctg gacttccag 319

<210> 170
<211> 383
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 117, 120, 124
<223> unknown base

<400> 170
ggaagcaaag gaggaagatc taccacagaa ggttgaggaa aagttcaacc 50

tcacacaagc acagatcaaa cagacagctt ggaattnagc aaacaacagt 100

tcttacacca gtagcangan ttcntattgt taactttgat tatagcatgg 150

aggaaaagtt tgaatccttt tcaagttttc ctggagtaga atcaagttat 200

aatgtgttac caggaaagaa gggacactgt ttggtaaagg gcataaccat 250

gtacaacaaa gctgtgtggt cgcctgagcc ctgcactacc tgcctctgct 300

cagatggaag agttctttgt gatgaaacca tgtgccatcc ccagaggtgc 350

ccccaaacag ttatacctga aggggaatgc tgc 383

<210> 171
<211> 636
<212> DNA
<213> Homo Sapien

<400> 171
actacattgc ctggaggaag cctaaggaac ccaggcatcc agctgccac 50

ggctgagtcc aagattcttc ccaggaacac aaagtagga gacccacgct 100

cctggaagca ccagcctta tcttttcacc ttcaagtccc cttctcaag 150

aatcctctgt tctttgccct ctaaagtctt ggtacatcta ggacccaggc 200

atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250

ttctccttat gtttggtcta ctattgcatt tagaagctgc aacaaattcc 300

aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350

agctagcaca gccaccaact ctgggtccag tgtgacctcc agtggggtca 400

gcatagccac catctcaggg tccaggtga cctccaatgg ggtcagcata 450

gtcaccaact ctgagttcca tacaacatcc agtgggatca gcacagccac 500

caatctgag ttcagcacag cgtccagtgg gatcagcata gccaccaact 550

ctgagtccag cacaacctcc agtggggcca gcacagccac caatctgag 600

tccagcacac cctccagtgg ggccagcaca gccacc 636

<210> 172
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 99, 162
<223> unknown base

<400> 172
aacattgcct tggaggaagc ntaaggaacc caggcatccc agctgcccac 50

gcctgagtcc aagattcttc ccaggaacac aaagtagga gacccacgnt 100

cttagaagca ccagcctta tctcttcacc ttcaagtccc ctttctcaag 150

aatcctctgt tntttgccct ctaaagtctt ggtacatcta ggacccaggc 200

atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250

ttcccttat gtttggtcta ctattgcatt tagaagctgc aacaaattcc 300

aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350

agccagcaca gccaccaact ctgggtccag tgtgacctcc agtggggtca 400

gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450

gtcaccaact ctgagttcca tacaacctcc 480

<210> 173
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 43, 51, 54, 120
<223> unknown base

<400> 173
gacaaaggnt catttgtaaa gaagctcctt ccagcacctc ctntcttctc 50

ntttgtccca aactcaccca gtgagtgtga gcattttaag aagcatcctc 100

tgcccatgac caaaaggaan gaagaaaaag ggccaaaagc caaaatgaaa 150

ctgatggtac ttgtttttac catgggcta actttgctgc taggagttca 200

agccatgcct gcaaatcgcc tctcttgcta cagaaagata ctaaagatc 250

acaactgtca caacctccg gaaggagtag ctgacctgac acagattgat 300

gtcaatgtcc aggatcattt ctgggatggg aagggatgtg agatgatctg 350

ttactgtaac ttcagcgaat tgctctgctg cccaaaaaac 390

<210> 174
<211> 451
<212> DNA
<213> Homo Sapien

<400> 174
gtttggtaag actccagact ccagctaaca gtccctatgg aaagatggca 50

tcaaaaaaga tagatctata tatatatata aatatatatt ctattacatt 100

ttcagtgagt aattttggat tttgcaaggt gcatttttac tattgttaca 150

ttatgtggaa aacttatgct gatttattta aggggaaaa agtgtcaact 200

ctttgttatt tgaaaacatg tttatttttt ttgtctttat tttaaccttt 250

gatagaacca ttgcaatatg ggggccttt gggaacggac tggtatgtaa 300

aagaaaatcc attatcgagc agcatttat ttacccctcc cctatcccta 350

ggcacttaac caagacaaaa agccacaatg aacatccctt tttcaatgaa 400

ttttataatc tgcagctcta ttccgagccc ttagcaccca ttccgaccga 450

g 451

<110> 175
<111> 692
<112> DNA
<113> Homo Sapien

<220>
<221> unsure
<222> 17, 42, 97, 173
<223> unknown base

<400> 175
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agggaggaga aaggagggaa taactgggct ccatcttttg agagctnttg 100

gttgggcaag ggcagaaaac aggccacag tgctcaaccc cggacacct 150

cacgaaggtt cgcaaagtca ctncttgtgg cttcagattg ctctttagga 200

cctggaggga cagacccaga atcagggtcc cctcctttac cccctgagtt 250

ccttactgtt ccccaagcc tgggagcagt ctatcccca acctgccat 300

ctccccttact catccctctt ccacagcttc cccttcctag ccccctctgc 350

ccacctgtc ttcctgagt gtttgagggg agagagagac ccacatctcc 400

ccaaagagat gagcttttgg ggcacaacat cccaccgcag gccccctcac 450

ccgacaacac ctcctacctg gcccctgcc aaatcccaag cagaattagc 500

aacaggaaaa gcagagcccc aggagagaca ccctactata tatactcttc 550

tatatattct gtttctattg tatattcact ctgtacatgt gggtgtaaat 600

cctgttaaat gacaaaccca atattatact gtggctggtg gactattttc 650

atcctcagtg ctgtacagat ctatttttcat tgtatatttg at 692

<210> 176
<211> 359
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 59
<223> unknown base

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<400> 176
tggatgggcg gccagcgatg acccattga gaaggtcatt gaagggatca 50

ggaggnt gagcaatgca gagagagagg tgggcaaggc cctggatggc 100

atcacagtg gaatcacgca tgccggaagg gaagtggaga aggttttcaa 150

cggacttagc aacatgggga gccacacggg caaggagttg gacaaaggcg 200

tccggggct caaccacggc atggacaagg ttgcccatga gatcaaccat 250

ggtattggac aagcaggaaa ggaagcagag aagcttggcc atggggtcaa 300

caagctgct ggacagggca accatcaaag cggatttttcc agccatcaag 350

gagggcc 353

<210> 177
<211> 450
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 58, 74, 233
<223> unknown base

<400> 177
gacttccca gcaatatgca tcttgcacgt ctggtcggct cctgctcct 50

cttctgnta ctggggccc tgtntggatg ggcggccagc gatgacccca 100

ttagaaggt cattgaaggg atcaaccgag ggctgagcaa tgcagagaga 150

gaggtgggca aggcctgga tggcatcaac agtggaatca cgcatgccgg 200

aaggaagtg gagaaggttt tcaacggact tagcaacatg gggagccaca 250

cgggcaagga gttggacaaa ggcgtccagg ggntcaacca cggcatggac 300

aaggttgccc atgagatcaa ccatggtatt ggacaagcag gaaaggaagc 350

agagaagctt ggccatgggg tcaacaacgc tgctggacag gttgggaagg 400

aggagacaa attgatccat catgggtcc atcacgggc caaccaggcg 450

<210> 178
<211> 489
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 8, 54, 66, 68, 149, 302, 461
<223> unknown base

<400> 179
attgaatnac agttttctg gttttttgt ggagttttg ttttggtttt 50

tgagatggag tttngntntt gttccccagg ctggagtgtg gtggtgcgat 100

ttcggcttac cgcaacttct gcttccggg ttcaggcagt tttcctgcnt 150

cggcttcctg agtggctggt attacgggca tgcaccgtcg cgccccactg 200

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gttttgtatt tttttagtag agacggggtt tttccgtgtt ggtcaggctg 250

gtctcgaact cccgacctca ggtgatccgc ccgcctcggc ctcccaaggt 300

tntgggattg caggtgtgag ccaccgtgcc cggctgtttt ttgtgggttt 350

tttgtttgtt tgtttgtttt tgagacagag tcttgctctg tcactcaggc 400

tggagtgcag tggcacagtc tcggctcact gcaacctctg cctcctgagt 450

tcaagccatt ntcctgcctc ggccccctca gtagctggg 489
```

<210> 179
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7A, 212, 234, 487
<223> unknown base

<400> 179
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gggggagaag taggggaggg cgtgttccgc cgcggtggcg gttgctatcg 50

tttgcagaa cctactcagg cagccagntg agaagagttg agggaaagtg 100

ctgctgctgg gtctgcagac gcgatggata acgtgcagcc gaaaataaaa 150

catcgccct tctgcttcag tgtgaaaggc cacgtgaaga tgctgcggct 200

ggcactaact gngacatcta tgacctttt tatnatcgca caagccctg 250

aaccatatat tgttatcact ggatttgaag tcaccgttat cttatttttc 300

atacttttat atgtactcag acttgatcga ttaatgaagt ggttatttttg 350

gcctttgctt gatattatca actcactggt aacaacagta ttcatgctca 400

tcgtatcgt gttggcactg ataccagaaa ccacaacatt gacagttggt 450

ggagggctgt ttgcacttgt gacagcagta tgctgtnttg ccgac 495
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<210> 180
<211> 550
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 25, 55, 130, 437, 537
<223> unknown base

<400> 180
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ggaggctgt gnccgttttg ttttnttggc taaaatcggg ggagtgaggc 50

ggcccggcgc ggcgngacac cgggttccgg gaaccattgc acgacggggt 100

ggactgacct gaaaaaaatg tttggatttn tagagggctt gagatgctca 150

gaatgcattg actgggggga aaagcgcaat actattgctt ccattgctgc 200

tggtgtacta ttttttacag gctggtggat tatcatagat gcagctgtta 250
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tttatcccac catgaaagat ttcaaccact cataccatgc ctgtggtgtt 300

atagcaacca tagccttcct aatgattaat gcagtatcga atggacaagt 350

ccgaggtgat agttacagtg aaggttgtct gggtcaaaca ggtgctcgca 400

tttggctttt cgtggttttc atgttggcct tggatntct gattgcatct 450

atgiggattc ttttggagg ttatgttgct aaagaaaaag acatagtata 500

ccctggaatt gctgtatttt tccagaatgc cttcatnttt tttggagggc 550

tg 552
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<210> 181
<211> 690
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 87, 89, 97, 127, 143, 170, 221, 232, 357, 426, 478, 561
<223> unknown base

<400> 181
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ttcttttag agattccttc ggaccttgac ccaaggtttc cgacaggttt 50

tttttgaat tttggaacag accttatat tttgggncna gaagttngcc 100

cagaaagcag caggggtttt gcctggntgt agagccagt tcattggntg 150

ttcctgggtt tgtttccttn ttccgagtag ttgtgccttt tttcagatca 200

ggttaccaca atgctcccg ntgtgacgtt tnatccccca cacttccagc 250

cccagttacc tggagttttt cagaaccac tttgccggtg ttaaaacata 300

agaggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 350

grcaggntga aagacaagtt ccgggtgtcc aggggctgac gggccaacca 400

hgtggcaggt cccaggcccc accantgcg ccatccgctt ctgagctcca 450

cagtggtccc actaatggga acctcctnta gggagagtga tactgcacct 500

ttaaccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 550

gccttgttt ntagatgtaa atggtcaaag aaacaagcgt tttattgttt 600

tgaataaaat agttcaaatg agtcctgtat cattgtatct cctattctgg 650

attagtgcct tttggacagt agactgttct gtaattaaaa 690
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<210> 182
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 59, 95, 149, 331, 364, 438, 446
<223> unknown base

<400> 182

aatttttcacc gctgtaggaa tccagatgca ggccaagtac agcagcacga 50

gggacatgnt ggatgatgat gggacaccac catgagcctg cattntcaag 100

ctttgccac aattcggcat ccagagcccc ggcgcacaga gcacagggnt 150

cctttttcaa cgtgggacc agtgggccctg accctgctga cttgtgctt 200

ggtgctgctg ataggggctgg cagccctggg gcttttgttt tttcagtact 250

acnagctctc caatactggt caagacacca tttctcaaat ggaagaaaga 300

ttcagaaata cgtcccaaga gttgcaattt nttcaagtcc agaatataaa 350

gcttgcagga agtntgcagc atgtggctga aaaactctgt cgtgagctgt 400

ataacaaagc tggaggaact ttgaaggagg gcaaagtntc cttcatntact 450

atcctacacac cacttccc 463

<210> 183
<211> 227
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 50, 84, 90, 111, 131, 154, 174-175, 189, 201
<223> unknown base

<400> 183

tccagcatg agagagatcc ntggtatagc tgggaccagc cgggcctgan 50

gttgaactgg ggtgaaccga tgcactggca cctngacatn tacaacagga 100

acggtgtgga nacatccccc acacctgttt nttggcatgt catgtgtatg 150

caatctttcg gtttcctggc tttnntgata ttcatgtgnt gggtggggga 200

ngtgtacccc gtctaccagc ctgtggg 227

<210> 184
<211> 474
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 105, 126, 184, 199, 206, 213, 236
<223> unknown base

<400> 184

gaaagaagga aataaacaca ggcaccaaac cantatctta agttgactgt 50

cctttaaata tgtcaagatc cagacttttc agtgtcacct cagcgatctc 100

aacgntaggg atcttgtgtt tgccgntatt ccagttggtg ctctcggacc 150

taccatgcga agaagatgaa atgtgtgtaa attntaatga ccaacacnt 200

aatggntggt atatctgnat cctcctgctg ctggtnttgg tggcagctct 250

tctctgtgga gctgtggtcc tctgcctcca gtgctggctg aggagacccc 300

gaattgattc tcacaggcgc accatggcag tttttgctgt tggagacttg 350

gactctattt atgggacaga agcagctgtg agtccaactg ttggaattca 400

tcttcaaact caaacccctg acctatatcc tgttcctgct ccatgttttg 450

gccctttagg ctcccctcct ccct 474

<210> 185
<211> 340
<212> DNA
<213> Homo Sapien

<400> 185
gcgaaacgcg gtctttctct agacgcgtct tgctgggaga gtgtccgttg 50

gttccgtcc gtgtcgcggc cctgcggttg gcggcctcct cgtggagcgg 100

agcaaggctg agatctgtat ctgtggacct gaatgttgat ccctcgcttc 150

agattgacat acctgatgcg ctcagtgaga gagacaaagt caaatttaca 200

gtgacacaa agaccacact gcccacgttt cagagcccag agttttctgt 250

tacaaggcaa catgaagact ttgtgtggct acatgacact cttattgaaa 300

caacagacta tgctgggctt attattccac ctgctctttg 340

<210> 186
<211> 411
<212> DNA
<213> Homo Sapien

<400> 186
gcgtggagca aatgctccac agctgccgaa tccagaagtc agatttcagc 50

aatcactgga acagctcaac gcaatggggt tcttaaaccg tgaagcaaac 100

ttgcaggccc taatagcaac aggaggcgac atcaatgcag ccattgaaag 150

actctggc tccagccat cgtaatcaca tttctgtacc tggaaaaaaa 200

tgtatcttat ttttgataat ggctcttaaa tctttaaaca cacacacaaa 250

atcgttcttt actttcattt tgattctttt aaatctgtct agttgtaagt 300

ctaatatgat gcattttaag atggagtccc tccctcctac ttccctcact 350

ccgtttctcc tttgcttatt tttcctacct tcccttcctc ttgtctcccc 400

actcccctcc c 411

<210> 187
<211> 277
<212> DNA
<213> Homo Sapien

<400> 187
cttagcataa acctacaggg ccctgtgtga tcggactcct gcccacttga 50

catgttagtt acttgcccct cgttgcttcg tgctttacct tccagaatca 100

ttaaactgct gatgtttccc aaaaataact atgtacctgg gtcagctcat 150

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gctggcatgg agttctcgtc catcaccatg cccaccctgg cttctttgag 200

cgcccgtata atatatatct ctaccatcat acttcatata ttttgttata 250

attgctggtt ttatttgcct ctgtggt 277
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<210> 188
<211> 2?4
<212> DNA
<213> Homo Sapien

<400> 188
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aaaattttg gttttttttg ggtttttttt ttgctgtgcc ctagaccatt 50

acataactga agactcccac cttcaggcag gtttgggtag tacacgtttg 100

caactaactg gcattgcctt ttgttgaagt aatttcagtt tttattagta 150

gtagtagtag tatactttgg gttctacagt atatgttcac aatgtgcagg 200

tttgttacat atgtatacat gtgccatgtt tgtttgctgc acccattaac 250

tggtcattta cattgggtat ttctcctaat actatccccc ccgc 294
```

<210> 189
<211> 385
<212> DNA
<213> Homo Sapien

<400> 189
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gtaacatttg ggagtgacaa gactgttcat cagcttgggg cctggcagca 50

actttttctag agttagcttt tttctcctttt cttgttccat gacttaaaaa 100

taataacttg ttgggcatgg tgcctcattc ttgtaatccc agcactttgg 150

gaggctgagg cacttgtggc caggagttca agactagcct gggcaacgta 200

gtagatgccc tccccgccac catctctaca aaagaaaaaa agttaactct 250

tgatttgctt tctagtagtg ggtgaatttg gagttccaat gattgtcaac 300

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agatgtacaa gactttgttt cctaccctcc ttttt 385
```

<210> 190
<211> 134
<212> DNA
<213> Homo Sapien

<400> 190
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tgcaatctgc cttgtgtgct gttgtaaaca agttagtgtt caaccagtgt 50

ttaaagtgtc tgttttaaaa gctctaatta tggtagtatt tccatttcct 100

tttacaacac cctttatttt gttcctccag gttc 134
```

<210> 191
<211> 245
<212> DNA
<213> Homo Sapien

<400> 191
ttttaaaaaa aaaaaaaaac aaagaaattc tatgttaact caataccaac 50

atcttgcaga actagagtac aatatcacag ccaggatgtt gaccttgata 100

cgagccatca gtcttattcg ggttttccca aatttacttt gtgtgtgtgt 150

gtgtctgtgt gtagttaggt ctatgctagt ttatgacgtg cagtttcatg 200

tatctcccac cacagccaac acacagaaca gttccatctc ccctc 245

<210> 192
<211> 323
<212> DNA
<213> Homo Sapien

<400> 192
ggtttcccaa tgttgcccaa gctgttcttg aactcccggg ctcaggtgat 50

ccgcctcct cggcctccca gagtgctggg attacaggca cggaccacca 100

tgcccagcct ccacatcttt ttttgcactg tgtatactct tctgagacat 150

gccaacttcc tccaggtcaa gaaaggggta tatagctctc agcttcactc 200

tttcagggtt gatgtcgcct ttgccttttc tcacttcact gacctgtcta 250

ttcctacaac tgtctctttc tagagaagcc tcaatgatca ggattgacag 300

gcccacttt cccccaccttt tct 323

<210> 193
<211> 481
<212> DNA
<213> Homo Sapien

<400> 193
cagcatgagc tccctgtgtg tgcaaggcag ctctatgcgg ttctcggtgt 50

ctcctaggaa gcaactttca gtaccctcct gtgttgagtc cgattttcta 100

aaagctgagc gggcatctag ggacctttct gtcactcagc cgactgtgtg 150

tctgtggcca gctctgggtc tgcctccccc agaactagat gcccatgggg 200

agtccatcag caccaatctc ctgtgatcgt ttatacaaca gaatctccac 250

tcaagtaaaa gtggggcctc ctcctatctt gctgtttgtg tgtgtgttgg 300

cagacccag cgtggctgga acagatgatt gcacatacca cgtggcggga 350

gcttttttat aaactggctg aagcccatcc agactgtttg atgctgaact 400

tcacccttaa ggtaggaaga gttctagagt taaggagaaa agtgtttatg 450

aatgtttatt tttggttgtt ggtctgtttg g 481

<210> 194
<211> 184
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 128
<223> unknown base

<400> 194
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 cacttcactg acctgtctat tcctacaact gtctctttct agagaagcct 100

 caatgattag gattgacagg ccacactntc ccccaccatt tttttctcct 150

 ccttcaagcc tcttgtctgt ttcaccctct agtg 184

<210> 195
<211> 225
<212> DNA
<213> Homo Sapien

<400> 195
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 atgccagacc atggtggatt cgtatgggga ctgacatttg ttactataaa 100

 aatcatttct caagaagttc agttgctgca ggtgggcaaa agggaaaatc 150

 ctactataca attacattta ctgtcaattt tccacataaa gatgatgttt 200

 actactttgc ttatcactat ccttt 225

<210> 196
<211> 208
<212> DNA
<213> Homo Sapien

<400> 196
 ttgacattca ttgtgatgag ggcagctttc tggtacagga ttctaagctc 50

 tatattttat atacattttc atctgtactt gcacctcact ttacacaaga 100

 gcaaactatg caaagttagc tggatcgctc aaggtcactt aggtaagttg 150

 gcaagtccat gcttcccact cagctcctca ggtcagcaag tctacttctc 200

 tgctatag 208

<210> 197
<211> 403
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112
<223> unknown base

<400> 197
 atcgtggccg tatgaaagta taacactaag aaaaaaattc attttttttca 50

 aacgtaacct tccattcttt ctcccttttc ctctaaacta aaaccttctt 100

 tccatcttt tntttcttga accagactaa tctagacaaa gatctcagcc 150

 tctgccagac agagttagag gcagatttag aaaaaatgga gacgcttaat 200

 aaagcacca gtgcaaacgt gccacaggta tttcctagtt tttctcatgc 250

catcagttcc ttttcaagct gtgctttgtt ttcttctttg ttctatggtt 300

tttgatgtag ttgaggtgac ggatggtgat gctggctatt ttaggctgca 350

tggctttctg actactgttt tagactcctt cccccacacc tacccagtta 400

gta 403

<210> 198
<211> 484
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 62, 150, 158, 195, 236
<223> unknown base

<400> 198
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agtgtttcct cntgccaga aacaaatcca ccaaaaaccc atacctctgc 100

caagatttac agaagggga aacccaactg tggatgggcc cctacccagn 150

ttttcatnta attccactat ttcagaacag gaagctggcg ttctntgcaa 200

gccatggtat gctggagcct gtgatcgaaa gtctgntgaa gaggcattgc 250

acaaatcaaa caaggatgga tcatttctta ttcggaaaag ctctggccat 300

gattccaaac aaccatatac actagttgta ttctttaata agcgagtata 350

taaatttcct gtgcgattta ttgaagcaac aaaacaatat gccttgggca 400

gaaagaaaaa tggtgaagag tactttggaa gtgttgctga aatcatcagg 450

aatcatcaac atagtccttt ggttcttatt gaca 484

<210> 199
<211> 442
<212> DNA
<213> Homo Sapien

<400> 199
ggcggctggg ctgtttggtt tgagcgctcg ccgtctttg gcggcagcgg 50

cgacgcgagg gctcccggcc gccgcgtcc gctgggaatc tagcttctcc 100

aggactgtgg tcgccccgtc cgctgtggcg ggaaagcggc cccagaacc 150

gaccacaccg tggcaagagg acccagaacc cgaggacgaa aacttgtatg 200

agaagaaccc agactccat ggttatgaca aggacccgt tttggacgtc 250

tggaacatgc gacttgtctt cttctttggc gtctccatca tcctggtcct 300

tggcagcacc tttgtggcct atctgcctga ctacaggatg aaagagtggt 350

cccgccgcga agctgagagg cttgtgaaat accgagaggc caatggcctt 400

cccatcatgg aatccaactg cttcgacccc agcaagatcc ag 442

<210> 200
<211> 756
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 31, 46, 68, 72, 95, 220
<223> unknown base

<400> 200

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cagttttgca gccccagnac gntgattccc agcaggcgct ttacngggca 100

gcccgaagat ttcacttatg gtgaaaatcg cctttcaata ccccttaccgc 150

cgtccaaaag gaggaggcgc ggcaagactt ggaggccctt cttgacccga 200

acggtcagaa ctcaggatan tgaccggcaa ggagctccga gttgccaccc 250

aggaaaaaga gggctcctct gggagatgta tgcttactct cttaggcctt 300

tcattcatct tggcaggact tattgttggt ggagcctgca tttacaagta 350

cttcatgccc aagagcacca tttaccgtgg agagatgtgc tttttttgatt 400

ctgaggatcc tgcaaattcc cttcgtggag gagagcctaa cttcctgcct 450

gtgacagagg aggctgacat tcgtgaggat gacaacattg caatcattga 500

tgtgcctgtc cccagtttct ctgatagtga ccctgcagca attattcatg 550

atttgaaaa gggaatgact gcttacctgg acttgttgct ggggaactgc 600

tatctgatgc ccctcaatac ttctattgtt atgcctcaaa aaaatctggt 650

agagctcttt ggcaaactgg cgagtggcag atatctgcct caaacttatg 700

tggttcgaga agacctagtt gctgtggagg aaattcgtga tgttagtaac 750

cttggc 756
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<210> 201
<211> 445
<212> DNA
<213> Homo Sapien

<400> 201

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tctatagctc agatcattgt cacagtcgta ctgggactgg ttataggtgc 100

catttacttt gggctaaaaa atgattctac tggaatccag aacagagctg 150

gggttctctt cttcctgacg accaaccagt gtttcagcag tgtttcagcc 200

gtggaactct ttgtggtaga gaagaagctc ttcatacatg aatacatcag 250

cggatactac agagtgtcat cttatttcct tggaaaactg ttatctgatt 300

tattacccat gaggatgtta ccaagtatta tatttacctg tatagtgtac 350

ttcatgttag gattgaagcc aaaggcagat gccttcttcg ttatgatgtt 400
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taccccttatg atggtggctt attcagccag ttccatggca ctggc 445

<210> 202
<211> 700
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 46, 168
<223> unknown base

<400> 202
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ttgttaggaa cttacngaag ttgatgctta cctacaaatc ttgattgaac 100

aattaaagct ttttgatgac aagcttcaaa actgcaaaga agatgaacag 150

agaaagaaaa ttgaactntc aaagagacaa caaatagcat ggtagaatca 200

attaaacact gcattgtgtt gctgcagatt gccaaagacc agagtaatgc 250

ggagaagcac gcagatggaa tgataagtac tattaatccc gtagatgcaa 300

tatatcaacc tggtcctttg gaacctgtga tcagcacaat gccttcccag 350

actgtgttac ctccagaacc tgttcagttg tgtaagtcag agcagcgtcc 400

atcttccta ccagttggac ctgtgttggc taccttgqga catcatcaga 450

ctcctacacc aaatagtaca ggcagtggcc attcaccacc gagtagcagt 500

cttacttctc caagccacgt gaacttgtct ccaaatacag tcccagagtt 550

ctcttactcc agcagtgaag atgagtttta tgatgctgat gaattccatc 600

aaagtggctc atccccaaag cgcttaatag attcttctgg atctgcctca 650

gtcctgacat acagcagctc gggaaatagt ctaaaacgcc cagataccac 700

<210> 203
<211> 513
<212> DNA
<213> Homo Sapien

<400> 203
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tcatctttct gtgtggtgca gccctgttgg cagtgggcat ctgggtgtca 100

atcgatgggg catcctttct gaagatcttc gggccactgt cgtccagtgc 150

catgcagttt gtcaacgtgg gctacttcct catcgcagcc ggcgttgtgg 200

tctttgctct tggtttcctg ggctgctatg gtgctaagac tgagagcaag 250

tgtgccctcg tgacgttctt cttcatcctc ctcctcatct tcattgctga 300

ggttgcagct gctgtggtcg ccttggtgta caccacaatg gctgagcact 350

tcctgacgtt gctggtagtg cctgccatca agaaagatta tggttcccag 400

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gaagacttca ctcaagtgtg gaacaccacc atgaaagggc tcaagtgctg 450

tggcttcacc aactatacgg attttgagga ctcaccctac ttcaaagaga 500

acagtgcct tcc 513
```

<210> 204
<211> 348
<212> DNA
<213> Homo Sapien

<400> 204
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ttaaaagctc caatttcaga gcaagagtcg aaaactcaca gataaagtta 100

tagttatttc agggttctga aaagacgcag aacatgaagg gactcagaag 150

tctggcagca acaaccttgg ctctttcct ggtgtttgtt ttcctgggaa 200

actccagctg cgctccgcag agactgttgg agagaaggaa ctggactcct 250

caagctatgc tctacctgaa aggggcacag ggtcgccgct catctccga 300

ccagagccgg agaaaggacc tctccgaccg gccactgccg gaaagacg 348
```

<210> 105
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 102
<223> unknown base

<400> 105
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tggagtggga acaagaactt gaaaatgtaa agactcttaa gacaaaatta 100

gagaggcgaa aaaaggcttc agcatgggaa agaaatttgg tgtatcccgc 150

tgttatggtt ctccttctta ttgagacatc catctcggtc ctcttggtgg 200

ccatgtaatat tctttgccta ttggttgatg aaacagcaaa tgccaaaagg 250

aacaagggg cctggaatag gaaatgcctc tctttctacg tttggttttg 300

tgggagctgc gcttgaaatc attttgattt tctatcttat ggtgtcctct 350

gtttgtggct tctatagcct tcgattttt ggaaacttta ctcccaagaa 400

agatgaaca actatgacaa agatcattgg aaattgtgtg tccatcttgg 450

tttgagctc tgctctgcct gtgatgtcga gaacactggg aat 493
```

<210> 206
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
```

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<222> 28, 48, 191, 261
<223> unknown base

<400> 206
ctattagaga ttcccttgg acccttggac ccaacggngt cccggggnac 50

aaccccttt ttcagaaacc cagggctgtg taagagctgc ttggagtagg 100

caccccattt aaagaaaaaa atgaagaagc agcaataaag aagttgtaat 150

cgttacctag acaaacagag aactggtttt gacagtgttt ntagagtgct 200

tttattatt ttcctgacag ttgtgttcca ccatgattac tttctccttc 250

agcgaatagg ntaaatgaat atgaaacaga aaagcgtgta tcagcaaacc 300

aaagcattc tgtgcaagaa ttttcttaag aaatggagga tgaaaagaga 350

gagcttattg gaatggggcc tctcaatact tctaggactg tgtattgctc 400

tgtttccag ttccatgaga aatgtccagt ttcctggaat ggctcctcag 450

aatctgggaa gggtagataa atttaatagc tcttctttaa tggttgtgta 500

tacaccaata tctaatttaa cccagcagat aatgaataaa acagcacttg 550

ctcctctttt gaaaggaaca agtgtcattg gggcaccaaa taaaacaca 599

<210> 207
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 75, 77, 283, 458
<223> unknown base

<400> 207
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cccagatttc ttttccttct ttcccttgca gagctggaga ctgcatcggg 150

catttgtgt taaactaaa caggaaaact gactaaaggt ccacagtgct 200

cattgtgtag actagctgcc ctccgatggg tgctctgatt atcagtggtt 250

ccagtcagg gcctgtcact aaacaggcct canttcctcc ttggggctt 300

tcccatggga ggtgtggctt tttactctac atggaaatga ctctctgcag 350

ccacagaaca cagtcatttt ctgaattatc ccagtctctc atgcgccctg 400

gattcctcca gatgccttat atctcttgtg caaagttgtc taaaatttgg 450

ttctcagntt ccaagtcttg cctttggcc ttcctggaag tatttttgtt 500

gatgagtcgt ctgtcattat tctctaaaat gatttgcttt ttgtttcttt 550

cattcctatt tccaccccac atatacac 578

<210> 208

<211> 588
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 372, 427, 444, 449, 480, 508, 541, 578
<223> unknown base

<400> 208
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taggcataa aaatatgctt ccataatatg aaatagatta ttcaataatt 100

gagaaacttt atgtgtaatc atgagagtat aagagtctgg attatctaac 150

attgttagcc ctgtgtatgt acagttcaaa aagttcattt ataaaagtag 200

tttcctgttc ctagtgtgat gtatcacaaa ttgtgctgag gttattttag 250

tatgtgtgtt tcattcccgt gcttctgttc tgaagtcctg gaatacagtt 300

ttcagtgtaa ttaattcaac tgcacttaac antaatgtcc gtgttggtat 350

agaaatgtct aaatcctata ctctagttga ggaagatctt ccataatttt 400

atggtattac acagggaaag ctatgantgc aggatcagtc taantatant 450

attaggtgca tgtattctct tttcactaan ttatacttgt ctatctagaa 500

tacaggtntt ccagtcagct ggtcatttac caggtgtgga nttaagttgc 550

tgggcttgca gtaagaattg ccagccantc attgtgcg 588

<210> 209
<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84
<223> unknown base

<400> 209
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tactggcggct tcctggcgct gctgggtcg gcantgctcg tcggcttcct 100

gtcggtgatc ttcgccctcg tctgggtcct ccactaccga gaggggcttg 150

gctgggatgg gagcgcacta gagtttaact ggcacccagt gctcatggtc 200

accggcttcg tcttcatcca gggcatcgcc atcatcgtct acagactgcc 250

gtggacctgg aaatgcagca agctcctgat gaaatccatc catgcaggt 300

taaatgcagt tgctgccatt cttgcaatta tctctgtggt ggccgtgttt 350

gagaaccaca atgttaacaa tatagccaat atgtacagtc tgcacagctg 400

ggttggactg atagctgtca tatgctattt gttacagctt ctttcaggtt 450

tttcagtctt tctgcttcca tgggctccgc t 481

<210> 210
<211> 569
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 225
<223> unknown base

<400> 210
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tttcacttaa tgttttcaag gttcattcag gctggagcgc ataatgatac 100

tttattcctt tctatggttg aataatattc cattgtatga atagaccata 150

ttttgtctat ccattcatca gttgatggac atctgggtta tttctatttt 200

tggctatcgt gaataatgct gccatggaca ttcacgtata agtttttgtg 250

tggatatatg ttttcatttc tttggagtag agttgctggg tcatggggta 300

accctaggtt taagcttttg aggctacca gatttccaaa gtgactgcat 350

cattttgcat tcccatcaac agtatatgaa ggttctaact tctctacatc 400

ttcaccaata tttgttattg tctgtcttct tgacaaaagt tctcctagtg 450

gctgtgaact ggtatcattt tgtggttttg atttgcattt cctggatggt 500

tatgaatgtt gattttactt tcatgtgctt attggccatt gtatatcttt 550

gggaaaatag ctattttcc 569

<210> 211
<211> 416
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 291
<223> unknown base

<400> 211
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tcatctcaaa cagttccggg ttgctgccct tttggctttc ctaggtgcta 100

cagtagcagg ctgttttccc ctttccata gaggggaata ttctgcatca 150

cccctttgtt tgccatttcc tacaggtgaa acgccatcat taggattcac 200

tgtaacgtta gtgctattaa actcactagc atttttatta atggccgtta 250

tctacactaa gctatactgc aacttggaaa aagaggacct ntcagaaaac 300

tcacaatcta gcatgattaa gcatgtcgct tggctaatct tcaccaattg 350

catctttttc tgccctgtgg cgttttttc atttgcacca ttgatcactg 400

caatctctat cagccc 416

<210> 212
<211> 765
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 55, 63, 76, 81, 389, 626, 761
<223> unknown base

<400> 212
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aaaantgagc ttntattggg acaggnggca ntnggatttt tggagtaggt 100

gggcttttgt ttttggggtc tgcaattggt ttgtcttaga ggttcaggag 150

gggaaattat atggaagggt cccaaattgc attactttac aaactcattg 200

tactctgttt ggccattagt cttccttagg aatcggacga ttagccatta 250

taaaatcaat aggctatcag gaacatttaa cagagtattg gagttcactg 300

gaattttttc tttaccataa tagttgtgaa attgataaca ccactgctgt 350

tgattatttt tcccctaaat aagtcctgga ttattgccnt cggcattact 400

gtattatacc agctagccct tgactttacc tcactgaaga ggttaatatt 450

atatggcact gatggtagtg gcacacgggt tggtctatta aatgccaacc 500

gcgaaggaat aatcctctacc ctggggtatg tggcaataca catggctggt 550

gtgtaaacag ggttatatat gcataagaac cgatcacata tcaaagactt 600

gattaaaagta gcctgttttc ttttantggc agctattagc ctcttcatat 650

ctcttacgt agttcaagta aatgtagaag cagtatctcg aagaatggca 700

aatntagcct tttgtatttg gatagttgct tctagcctga tccttcttag 750

tagtttatta ntggg 765

<210> 213
<211> 500
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 117, 181, 219, 297, 397, 415
<223> unknown base

<400> 213
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atggggggaa aagggcggaa taggacaagg atccaaactg gcgaatttgc 100

tgatcttcgg gtccctntcc gctttccgc cggcagcgct gccagggtat 150

atttcctttt ttccgatcct gcaacagcct ntttaaactg tttaaatgag 200

aatgtccttg gctcagagng tactactcac ctggctttttc acactactct 250

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tcttgatcat gttggtgttg aaactggatg agaaagcacc ttggaantgg 300

ttcctcatat tcattccagt ctggatattt gatactatcc ttcttgtcct 350

gctgattgtg aaaatggctg ggcggtgtaa gtctggcttt gaccctngac 400

atggatcaca caatnttaaa aaaaaagcct ggtacctcat tgcaatgtta 450

cttaaattag ccttctgcct cgcactctgt gctaaactgg aacagtttac 500
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&lt;210&gt; 214
&lt;211&gt; 500
&lt;212&gt; DNA
&lt;213&gt; Homo Sapien

&lt;220&gt;
&lt;221&gt; unsure
&lt;222&gt; 1, 15, 24, 49, 94, 126, 158, 196
&lt;223&gt; unknown base

&lt;400&gt; 214
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naccgtgaat ttttngaagc caangaagga gatttgcaca ggatagaant 50

cccattcaaa ttccacatgt tgcattcagg gttggtccac ggcntggctt 100

tcnggtttga cgntgctttc atcggntcca taatgaccgt gtggctgtcc 150

acagcccnga cagagcccct gacccactgg taccaggtgc ggtgcntgtt 200

cnactcacca ctgttcgcca aggcagggga cacgctctca gggacatgtc 250

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gnguaccaga ccggctccaa gtccagtaac ctcctggatc tgaaaaaccc 350

cntcttttaga tacacgggca caacgccctc accccaccc ggctcccact 400

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ngnggcggga tggccgtggc agggatgccg accgcctatg acttgagcag 500
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&lt;210&gt; 215
&lt;211&gt; 739
&lt;212&gt; DNA
&lt;213&gt; Homo Sapien

&lt;220&gt;
&lt;221&gt; unsure
&lt;222&gt; 98, 103, 114, 178
&lt;223&gt; unknown base

&lt;400&gt; 215
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nggccggatc cctttagaaa tcccttggac cttggaccca aggtgtccgg 50

gcgagagcct tgggatgcac ccggccagag cccatgctgc tgctgctnaa 100

cgnttgcccc tccntggggg gccccacttg ggcagggaag atgtatggcc 150

ctggaggagg caagtatttc agcaccantg aagattacga cccatgaaat 200

cacagggctg cgggtgtctg taggtcttct cctggtgaaa agtgtccagg 250

tgaaacttgg agactccttg ggacgtgaaa ctgggagcct taggtgggaa 300
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tacccaggaa gtcaccctgc agccaggcga atacatcaca aaagtctttg 350

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cgctatttct attttgggaa gcttgatggc cagatctcct ctgcctacc 450

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ttggcatcaa gagcattggc tttgaatgga attatccact agaggagccg 550

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tccctaggt ggggtatggg gccatttacc gagcggccgc cgtaattggg 650

ccgctgggt atctctcgag aaaagagagg cccaatatga cccacatact 700

caatatggac gaactgatat tgtccacctg ttatgagtg 739
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<210> 216
<211> 474
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 92, 120, 205, 214, 238, 348, 353, 358
<223> unknown base

<400> 216
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gcaaaaattt tcagtgcaag tcttgatgtt gccccgtccc cnattcccta 100

catnagaagg atccctcatn tggactccag cgttggcttc ttgatgctgc 150

gcnntccccc attccctaca tcagaatgca tcccgcatcc agactccagc 200

gnnnntgctc tacntgcacg ctgttgccaa gtccaagnta ccatactcct 250

gcnngagcta tgacaacagc ctcctcactg atctcccctt tcttcccttn 300

gcntcctcca gctcattttt cacagtgtag aatgacattt tgtttgtntg 350

tnnngtntg tttgagatgg agtctcgctc tgttgccag ggtggagtgc 400

agngtgcga tctcggctca ctgcaacctc cacctcccgg gttcaagcgg 450

attctcgtgc ctcagcctcc tgag 474
```

<210> 217
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22
<223> unknown base

<400> 217
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ttgccattgg gaggggcag gatgggaggg aaagtgaaga aaacagaaaa 100
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ggagagggac agaggccaga ggacttctca tactggacag aaaccgatca 150

ggcatggaac tcccttcgt cactcacctg ttcttgcccc tggtgttcct 200

gacaggtctc tgctcccct ttaacctgga tgaacatcac ccacgcctat 250

tcccagggcc accagaagct gaatttggat acagtgtctt acaacatgtt 300

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atgccccatg tgccaagggc cacttaggtg actaccaact gggaaattca 450

tctcatcctg ctgtgaatat gcacctgggg atgtctctgt tagagacaga 500

tggtgatgg 509

<210> 218
<211> 291
<212> DNA
<213> Homo Sapien

<400> 218
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tggtctgtgc ccagaatccg acaacagctg ctccagctga cacgtatcca 150

gctactagtc ctgctgatga tgaagcccct gatgctgaaa ccactgctgc 200

tgcaaccact gcgaccactg ctgctcctac cactgcaacc accgctgctt 250

caaccactgc gaccactgct gctcctacca ctgcaaccac c 291

<210> 219
<211> 266
<212> DNA
<213> Homo Sapien

<400> 219
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atgaagttct tagcagtcct ggtactcttg ggagtttcca tctttctggt 100

ctgtgcccag aatccgacaa cagctgctcc agctgacacg tatccagcta 150

ctagtcctgc tgatgatgaa gcccctgatg ctgaaaccac tgcaactgca 200

accactgcga ccactgctgc tcctaccact gcaaccaccg ctgcttctac 250

cactgtcgt aaagac 266

<210> 220
<211> 264
<212> DNA
<213> Homo Sapien

<400> 220
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gaagttctta gcagtcctgg tactcttggg agtttccatc tttctggtct 100

ctgcccagaa tccgacaaca gctgctccag ctgacacgta tccagctact 150

ggtcctgctg atgatgaagc ccctgatgct gaaaccactg caactgcaac 200

cactgcgacc actgctgctc ctaccactgc aaccaccgct gcttctacca 250

ctgctcgtaa agac 264

<210> 221
<211> 516
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64, 185, 201
<223> unknown base

<400> 221
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tctactcctg ccagtgtcca gcagccatgg ccttntgctt cctggagacc 200

ntgtggtggg aattcacagc ttcctatgac actatctgca ttggcctagc 250

ctccaggcca tacgcttttc ttgagtttga cagcatcatt cagaaagtga 300

agtaggcattt taactatgta agttcctctc agatggagtg cagcttggaa 350

aaaattcagg aggagctcaa gttgcagcct ccagcggttc tcactctgga 400

ggacacagat gtggcaaatg gggtgatgaa tggtcacaca ccgatgcact 450

tggagcctgc tcctaatttc cgaatggaac cagtgacagc cctgggtatc 500

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agttcacctt gcagaacatt ctttacaggt tgcccatgag gaaaattggaa 600

acattcnggc 610

<210> 222
<211> 612
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 43, 70, 89, 92, 100, 194, 219, 229, 295, 327-328, 330, 334, 338, 344
<223> unknown base

<400> 222
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tactcttggg tcgagatccc tttggagcca cagcgaggaa ccctgtggtc 150

ctcaggcagg tgtaccttga gtcagcccag gagccctctt ttcntgtgtc 200

aaagcctgcc ctcgggctnt gctcacctnt ggtgaccctc ccaagatgcc 250

cctgccctca gtttcccctc atgatctggc ctctgccccc ttctntagcc 300

acagcctttt agtacacttt agcaatnncn accngaanta gttngagttc 350

cccaattcac caagcaagac atgcagtttc atgcctctgt gccttcgctc 400

atgcttgttt cttccgaact tggaatgcct tcccctgctc ctcctgcctt 450

gtctgcctgg caagttcatc tctcacgatc ccctcaaagg ccccctcctc 500

caggaaggca accctgtgc ccctcccctc caggctacct ctgcactttg 550

tcaatgcttc tcttgtggca cttatcacac tgtattttac ttgtttacat 600

gtttgtctcc cc 612

<210> 223
<211> 616
<212> DNA
<213> Homo Sapien

<220>
<221> nsure
<222> 1, 21, 224
<223> unknown base

<400> 223
nncaatncag ccctccggtt ntccgcgaag aagttccttg ccccgatgag 50

nnccccgncgt gcgtccccga ttatccccag gcgggcgtgg ggcaccgggc 100

nnagcgncga cgatcgctgc cgttttgccc ttgggagtag gatgtggtga 150

aaggatnggg cttctccctt acggggctca caatggccag agaagattcc 200

gngaagngtc tgcgctgcct gctntacgcc ctcaatctgc tcttttggtt 250

aatgtnnatc agtgtgttgg cagtttctgc ttggatgagg gactacctaa 300

ataatgntct cactttaact gcagaaacga gggtagagga agcagtcatt 350

ttgacttact ttcctgtggt tcatccggtc atgattgctg tttgctgttt 400

cctnatnatt gtggggatgt taggatattg tggaacggtg aaaagaaatc 450

tgttgnntct tgcatggtac tttggaagtt tgcttgtcat tttctgtgta 500

gaantnggctt gtggcgtttg gacatatgaa caggaacnta tggttccagt 550

anaatggtca gatatggtca ctttgaaagc caggatgaca aattatggat 600

tacntagata tcggtg 616

<210> 224
<211> 639
<212> DNA
<213> Homo Sapien

<220>
<221> nsure

Page 101

<222> 28, 102, 105, 107, 157, 167
<223> unknown base

<400> 224
taagttcctg cattaaaacc atgctgtngc aattgagagc ttagctccac 50

ggttctcaaa gggaggtccc tggccaacag catcagcatc accttgagga 100

cntanungca atgcaaatta tcagggccct tcttcagact cactgaatca 150

gaaaccntgg gatacgncca gcacgctgtg ctttaacaag ctctaggtga 200

tgcccaattc atactcaagt gtgaggctga ctggcttatt tgaagggaga 250

gaaaggaaca ggcacatggc gacatatcag catttacaca aggcgtgctg 300

ggtaaccata ggaacacctt tattacggtt aaataggaaa caggcatcaa 350

tgcagagggc tcccaggaga atcaggaagg tcgcgactgt cactgtctga 400

gggcactgtt gtgaaacgat ggccgaaggt gacaaccaca gcaaagtttc 450

aaggaagttc actgaaacgt ggaaaaaccc actcaatgtc ctgctctcat 500

ttatattgag tggctaagt atttattttc ttggtttttt agaggaaggg 550

agggttggag gattctcaaa gcattcaaaa ggacaccata tgctggcagg 600

aaatattcaa gcttttaatg gaataatgca atggaggtg 639

<210> 225
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 89, 96, 105, 115, 121, 141, 147, 178, 194, 205, 209, 233,
      236, 245, 256, 284
<223> unknown base

<400> 225
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ttgaagaagc acgagttcgg aagactttaa catgggttnt tccttnttgc 100

agccngtata ctttntgtca nccagaaact gtattttcat ntcagcntag 150

tgacgatgaa tcaagtagtg atgaaccngt aatcagccca gtcntgcctt 200

tagangacnc cgtgttagga agaagaccgt ttntgnttca gaatntgaag 250

accggntagt tgctgaacaa gaaactgaac cttntaagga gttgagtaaa 300

cgtcagttca gtagtggtct caataagtgt gttatacttg ctttggtgat 350

tgcaatcagc atgggatttg gccatttcta tggcacaatt cagattcaga 400

agcgtcaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 450

aaggattatc tttcccagtg tcaacaggaa caagaatctt ttatagatta 500

taagtcattg aaagaaaatc ttgcaaggtg ttggacactt actgaagcag 550

agaagatgtc ctttgaaact cagaaaacga accttgctac agaaaatcag 600

tatttaagag tatccctgga aaaggaagaa aaagccttat cctcattaca 650

cgaagagtta aacaaactaa gagaacagat tagaatattg gaagataaag 700

ggac 704

<210> 226
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 46, 51, 66, 90, 95, 179
<223> unknown base

<400> 226
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tccgtgttct ttcggntgcg ccttcatttg ccttcgggcn tgcgntcgcc 100

cttatatct tcaccatcgc catcgagccg ttgcgtatca tcttcctcat 150

cgcnggagct ttcttctggt tggtgtctnt actgatttcg tcccttgttt 200

ggttcatggc aagagtcatt attgacaaca aagatggacc aacacagaaa 250

tatctgctga tctttggagc gtttgtctct gtctatatcc aagaaatgtt 300

ccgattcgca tattataaac tcttaaaaaa agccagtgaa ggtttgaaga 350

gtataaaccc aggtgagaca gcaccctcta tgcgactgct ggcctatgtt 400

tctggctgg gctttggaat catgagtgga gtattttcct ttgtgaatac 450

cctatcgac tccttggggc caggcacagt gggcattcat ggagattctc 500

ctcaatcct cctttattca gctttcatga cgctggtcat tatcttgctg 550

catgtattct ggggcattgt atttttgat ggctgtgaga agaaaaagtg 600

gggcatctc cttatcgttc tcctgac 627

<210> 227
<211> 547
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 13, 36, 42, 65, 67, 101, 107, 112, 147, 224, 292
<223> unknown base

<400> 227
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gatcaggaaa gagcntntta tgtctccatc ttgatttccg tggcagccaa 100

ntgcctntat gnatatctcc acatcccagc tttttcataa taaatantac 150

atgctggttg ctcgtggatt gttgggaatt ggagcaggaa atgtagcagt 200

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tgttagatca tatactgctg gtgntacttc ccttcaggaa agaacaagtt 250

ccatggcaaa cataagcatg tgtcaagcat taggtttat tntaggtcca 300

gttttcaga cttgttttac attccttgga gaaaaggtg tgacatggga 350

tgtgattaaa ctgcagataa acatgtatac aacaccagtt ttacttagcg 400

ccttcctggg aattttaaat attattctga tccttgccat actaagagaa 450

catcgtgtgg atgactcagg aagacagtgt aaaagtatta attttgaaga 500

agcaagtaca gatgaagctc aggttcccca aggaaatatt gaccaggttg 550

ctgttgtggc catcaatgtt ctgttttttg tgactctatt tatctttgcc 600

cttttttgaaa ccatcattac tccattaaca atggatatgt atgcctg 647
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<210> 228
<211> 697
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72, 75, 81, 92, 116, 135, 153, 157, 170, 248, 267, 271, 332, 498,
      570
<223> unknown base

<400> 228
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ggattgcatg tgaagtcttt tntantgaat ntatatttcc anttgaagtg 100

attttaagtt aacatntgaa ggcaggaaat gattnccttt ccagtaaaaa 150

gtntagntaa tttaattaan ttagtgacac caccaagtgt tttgatataa 200

ctaaattgt ggtaataaga ttgtctgcac ctgtattcat tgtggaantt 250

cctcttcat tggaaantt nttactcaag aatgacggca gtattgtttt 300

cttatagtg caatgaagtg gaatggttaa cngtatgccc ttaaatttaa 350

aatgggttcc ttgttctgat gttgtttcct gaaatgattt ttcttcctaa 400

ctgtggtttt cgggtatgca agcctaaatc tttgtacact ttgtctcaca 450

gaatagttct gaggctccat gacagggttt tgtcattgtt gatgttantg 500

ttgcttcgtt ttataaaaaa gccaaaattt ttttccaatc caaacgttca 550

cctgtttcct ttcctcaagn tataccagtg taataccagt taccctgtgg 600

atccatttaa tatgttatcc ccactaatta attttcgtat attatttcca 650

atatttggaa agctctttat agccatttgg tatttcctat tacccac 697
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<210> 229
<211> 621
<212> DNA
<213> Homo Sapien

<220>
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<221> unsure
<222> 90, 145, 189, 249
<223> unknown base

<400> 129
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ttggaatgtg aatctgcatg tacgaagcat attcccaatn tgatgagcaa 100

tatgcttgcc atcttggttg ccagaatcag ttccattcgc tgaantggac 150

aagaacaact tatgtccctg atgccaaaaa tgcacctant ctttcctcta 200

actcttggtg aggtcattct ggagtgacat gatggactcc gcacagagnt 250

tcataacctc ttcatggact ttttatcttc aagccgatga cggaaaaata 300

gttatattcc agtttaagcc agaaatccca gtacgcacca catttggagc 350

aggagcctac aaatttgaga gaatcatctc taagcaaaat gtcctatctg 400

caaatgagaa attcacaagc gcacaggaat tttcttgaag atggagaaag 450

ngatggcttt ttaagatgcc tctctcttaa ctctgggtgg attttaacta 500

caactcttgt cctctcggtg atggtattgc tttggatttg ttgtgcaact 550

gttgctacag ctgtggagca gtatgttccc tctgagaagc tgagtatcta 600

tggtgacttg gagtttatga a 621

<210> 230
<211> 864
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 554, 711, 748, 827
<223> unknown base

<400> 230
tcctgctgat gcacatctgg gtttggcaaa aggacgttgc ttcgagccgc 50

cctttctagc ttcctggccg gctctagaac aattcaggct tcgctgcgac 100

tagacctcag ctccaacata tgcattctga agaaagatgg ctgagatgac 150

agaatgcttt attttggaaa gaaacaatgt tctaggtcaa actgagtcta 200

ccaaatgcag actttcacaa tggttctaga agaaatctgg acaagtcttt 250

tcatgtggtt tttctacgca ttgattccat gtttgctcac agatgaagtg 300

gccattctgc ctgccctca gaacctctct gtactctcaa ccaacatgaa 350

gcatctcttg atgtggagcc cagtgatcgc gcctggagaa acagtgtact 400

attctgtcga ataccagggg gagtacgaga gcctgtacac gagccacatc 450

tggatctcca gcagctggtg ctcactcact gaaggtcctg agtgtgatgt 500

cactgatgac atcacggcca ctgtgccata caacctttgt gtcagggcca 550

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cattgggctc acagacctca gcctggagca tcctgaagca tccctttaat 600

agaaactcaa ccatccttac ccgacctggg atggagatca ccaaagatgg 650

cttncacctg gttattgagc tggaggacct ggggccccag tttgagttcc 700

ttgtggccta ntggaggagg ggcgaacccc ttgcggcgca aggggttngc 750

gaaccccttg cggccgctgg ggtatctctc gagaaaagag aggcccaata 800

tgacccacat actcaatatg gacgaantgc tattgtccac ctgtttgagt 850

ggcgctgggt tgat 864
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<210> 231
<211> 595
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 50, 62, 82, 121, 425, 446, 523, 563
<223> unknown base

<400> 231
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ctgcgaggng tntaaaaatt ccaacctacg gntacgtttt agatgatcca 100

gatcctgatg atggattcaa ntataaacag atgatggtta gagatgagcg 150

caggtttaaa atggcagaca aggatggaga cctcattgcc accaaggagg 200

agttcacagc tttcctgcac cctgaggagt atgactacat gaaagatata 250

gtactacagg aaacaatgga agatatagat aagaatgctg atggtttcat 300

tgatctagaa gagtatattg gtgacatgta cagccatgat gggaatactg 350

atgagccag aatgggtaaa gacagagcga gagcagtttg ttgagttttcg 400

ggataagaac cgtgatggga agatngacaa ggaagagacc aaagantgga 450

tacttcctc agactatgat catgcagagg cagaagccag gcacctggtc 500

catgaatcag accaaaacaa ggntggcaag cttaccaagg aggagatcgt 550

tgacaagtat ganttatttg ttggcagcca ggccacagat tttgg 595
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<210> 232
<211> 450
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90, 99, 147, 222, 234, 271, 412
<223> unknown base

<400> 232
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tgtccagtca aagtgatttt cttcaagagc cgttacaggn tacttcttnt 100
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ccagttactt gtagctcaaa tgcttgcttg gttactaccg atcaggnttc 150

ttctggatct gaaacagagt ttatgacctc agagactcct gaggcagcaa 200

ttcccccagg caagcaaccg tnttcactag cttntccaaa tcctcccatg 250

gcaaagggct ctgaacaggg nttccagtca cctccagcaa gtagtagttc 300

agtaaccatt aacacagcac cctttcaagc catgcagaca gtatttaacg 350

ttaatgcacc tctgcctcca cgaaaagaac aagaaataaa agaatcccct 400

tattcacctg gntacaatca aagttttacc acagcaagta cacaaacacc 450

acccccagtgc 460

<210> 133
<211> 660
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 13, 31, 107, 127, 129, 131, 159
<223> unknown base

<400> 133
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aagttccat ccttgccggg gttccagcac ctttgaagtt tttgcagcgc 100

acgaaangga ggcgaggaag gagggantnt ntgagaggag ggagcaaaaa 150

gcttcacnt aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200

aaaatggct ggggtaatta tagaaaacat gagcaccaag aagctgtgca 250

ttgttggtgg gattctgctc gtgttccaaa tcatcgcctt tctggtggga 300

ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350

atgtgtggat gcccgtaaga accatcacaa gacaaaatgg ttcgtgcctt 400

ggggaaccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450

aggggaaattg aagccaatga catcgtgttt tctgttcaca ttcccctccc 500

caacatggag atgagtcctt ggttccaatt catgctgttt atcctgcagc 550

tggacattgc cttcaagcta aacaaccaaa tcagagaaaa tgcagaagtc 600

tccatggacg tttccctggc ttaccgtgat gacgcgtttg ctgagtggac 650

tgaaatggcc 660

<210> 234
<211> 564
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 71
<223> unknown base

<400> 234
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gsttttgaca gccacatacc ntgtgggtca catgccatac ggctggttga 100

cggaaatccg tgctgtgtat cctgctttcg acaagaataa ccccagcaac 150

aaactggtga gcacgagcaa cacagtcacg gcagcccaca tcaagaagtt 200

cacttcgtc tgcatggctc tgtcactcac gatctgtttc gtgatgtttt 250

ggacacccaa cgtgtctgag aaaatcttga tagacatcat cggagtggac 300

tttgcctttg cagaactctg tgttgttcct ttgcggatct tctccttctt 350

cccagttcca gtcacagtga gggcgcatct caccgggtgg ctgatgacac 400

tgaagaaaac cttcgtcctt gcccccagct ctgtgctgcg gatcatcgtc 450

ctcatcgcca gcctcgtggt cctaccctac ctggggtgc acggtgcgac 500

cctgggcgtg ggtccctcc tggcgggctt tgtgggagaa tccaccatgg 550

tcgccatcgc tgcg 564

<210> 235
<211> 461
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 196-197, 307
<223> unknown base

<400> 235
nngacgcgtg ggtttaaaaa ttactcataa tcgntccatt gataatacta 50

gattagttt ccctgtctt tagtgtctaa ttgtcagcca gaaaattagg 100

aatctgttgc acttgatttt taagtaactt atctaaaact atgtgccatt 150

ttaacagtga gcattactta gttgcatttt ccaaatttat tatttnntca 200

tttcttaact gtagactatt atttcaaaat tttaaattta gtttttgatg 250

tttagagaa atgaagccac agtggcttag cacatctttg tgtttctatt 300

attatntat tttttgaga cagagtcttg ctgtgttgct caggctggag 350

taccagtggtg cgatctcagc tcactgcaac ctctgcctcc cgggttcaag 400

tgattttcct gcctcagcct cccaagtagc tgggattaca gacacctgcc 450

accatgtccg g 461

<210> 236
<211> 307
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<212> 93
<213> unknown base

<400> 236
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tataggcatt ttggagatca aagatgggta gaaaagatgc tgntactata 100

aaacttcctg ttgatcagta cagaaaacaa attggtaaac aggattataa 150

aaaaactaaa cctattttac gagctaccaa attaaaagca gaagcaaaga 200

aaacagcaat aggcataaag gaagttggcc ttgtacttgc agctatattg 250

gcactactac tggctttcta tgctttcttt tatctcagac tcaccacgga 300

aatgttg 307

<210> 237
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 67
<223> unknown base

<400> 237
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gtnccggtcc catcctngcc gcgctccagc acctttgaag ttttgcagcg 100

cccagaaagg aggcgaggaa ggagggagtg tgtgagagga gggagcaaaa 150

aactcaccct aaaacattta tttcaaggag aaaagaaaaa ggggggcgc 200

aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250

ttgttggtgg gattctgctc ctgttccaaa tcatcgcctt tctggtggga 300

ggctgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350

atgtgtggat gcccgtaaga accatcacaa gacaaaatgg ttcgtgcctt 400

gggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450

aggaaattg aagccata 468

<210> 238
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 110, 128, 151, 215, 229, 268, 274, 282, 343, 363, 383, 489
<223> unknown base

<400> 233
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aattgtacca ggtgcggtgc ctgttccagt caccattgtt cgccaaggca 100

ggggacacgn tttcagggac atgtttgntt attgccaaca aaagacagag 150

ntacgacatc agtattgtgg cccaggtgga ccagaccggc tccaagtcca 200

ctaacctcct ggatntgaaa aaccccttnt ttagatacac gggcacaacg 250

cctcacccc cacccggntc ccantacaca tntccctcgg aaaacatgtg 300

caacacgggc agcacctaca acctcagcag cgggatggcc gtngcaggga 350

tgccgacggc ctntgacttg agcagtgtta ttnccagtgg ctccagcgtg 400

cgccacaaca acctgattcc tttagggtcc tccggcgccc agggcagtgg 450

tggtggcagc acgagtgccc actatgcagt caacagcccng 490

ttccctaat gggttgtttg accccatts cggttgntaa gtggttttc 50

tcnatcatcg gccaaattgg nattttcana tccacaggng tcattgggan 100

tttcggggcc cctaatttgt ttcagacagg ccgggaggca gtttgccaga 150

aggattctta agtaantgac ccagcccttt gccccaccc ctggggtacc 200

uagacatggg tagggattag agcaagagtt gagagtcaga ccatccagga 250

accacatntn tggaccttca gaaggaggac aacatggcct ttggaaagcc 300

tnccaagtac tggaagttgg accctgntca ggtntatgct agcgggccca 350

acgnatggga cacggctgtg cacgacgcct ctgaggagta caagcaccgc 400

atgnacaatc tctgctgtga caactgccac tcgcacgtgg cattggccct 450

gaaactgatg cgctacaaca acagcaccaa ctggaatatg gtgacgctct 500

gcttcttctg cctgctctac gggaagtacg tcagcgttgg ggccttcgtg 550

aagacttggc tgcccttcat ccttctcctg ggc 583

tttttcaggg agaattttga ggctntgttg agaatcatgc tttggaggca 50

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gctcatntat tggcaactgc tggctttgtt tttcctccct ttttgcntgt 100

gtcaagatga atacatggag gtgagcggaa gaactaataa agtggtggca 150

agaatagtgc aaagccacca gcagactggc cgtagcggct ccaggaggga 200

naaagtgaga gagcggagcc atcctaaaac tgggactgtg gataataaca 250

cttntacaga cctaaaatcc ctgagaccag atgagctacc gcaccccgag 300

ntagatgacc tagcccagat caccacattc tggggccagt ntccacaaac 350

ccgaggacta ccccagact gcagtaagtg ttgtcatgga gactacagtt 400

ttcgaggcta ccaaggcccc cctgggccac cgggccctcc tggcattcca 450

pgaaaccatg gaaacaatgg caacaatgga gccactggtc atgaaggagc 500

caaaggtgag aagggcgaca aaggtgacct ggggcctcga ggggag 546
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<210> 241
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 125
<223> unknown base

<400> 241
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natgaaaagt gaaaagaaa ttagaagata tggataataa atcccaggag 100

aggaatatg catccaatca aacatntaat agaaaatttc ctacaggaa 150

taaagaaa agattcttaa gatcgaaagg gccagttgat agtggtaccc 200

acgaggaagg agtggttttt cacccagata tatcctggtg aaatttctga 250

attctgcagc ttacaagaaa attctgaact cttccaggga agaacaagct 300

atgtacaaag gaataagaat cttattcatt acactaaaga caatgctttt 350

gatattgtc tatagctatg tgtattttga acctagaatt ccgtactcag 400

ccactgtc atttatgtat gagaacaaaa ttactttttt ggaatttgca 450

gactcatatt cttttcgaaa aaaatactgt gggatgtacc aaaacaaaaa 500

aataagtcaa gaagcaacaa ctcaaggcat aagaacagt agcgag 546
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<210> 242
<211> 549
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 100, 121
<223> unknown base

<400> 242

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ctctctctgc ccaccctcca cgtccactgc ctctggccgc agacccagcn 100

tcgtgatcga tgggagaagc ntggcctacg ctctcgagaa aaacctggag 150

gacaaattcc tcttccttgc caagcagtgc cgctccgtcc tctgctgtcg 200

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ggcagtgatg gccagcgact ttgcagtgcc gaaattccga tacctggaga 400

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atgctgtact tcttctacaa aaacacaatg ttcgtgggcc tcctgttttg 500

gttccagttt tttgtggct tctctgcatc tactatgatt gaccagtgg 549

<110> 243
<111> 549
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<113> Homo Sapien

<200>
<221> unsure
<222> 97, 120
<223> unknown base

<400> 243
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caagtttgcc ccagcaaacn taggctatgc gagaggcgta gatcccccac 150

tatgtgacgc tgggacagac caggactcca ggtggaggtt gcagtatgat 200

gtctatcagt attttctgcc tgagaatgac ctcactgagg agatgttgct 250

gaagcattcg cagaggatgg tcagtgtgcc ccaggtgaag gccagtgctc 300

tcaaggtggt taccctaaca gctaatgata agacaagtgt ttccttctcc 350

tccctcccgg gacaaggtgt catatacaat gtcattgttt gggacccgtt 400

tctaaataca tctgctgcct acattcctgc tcacacatac gcttgcagct 450

ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa 500

gtgttcttca ctcttttgc cctgcttggt ttcttcattt gtttctttg 549

<110> 244
<111> 448
<112> DNA
<113> Homo Sapien

<200>
<221> unsure
<222> 22
<223> unknown base

<400> 244

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cagacatggg gcagggtggt ctgagggtct cctcaggatg gtgtggtctg 200

tgctggttgt ggttgtcttg acaggttggg cctcatgggc agatggtacc 250

tgtcaggcag ggagtgtggg ggcaaccagg atgaacagtt ataagaccat 300

tttcaatact tgtatttttt tttctcctag ggaaaaattg gaagaaaaag 350

ccaaattata tgaaaaaatg actaaaggag actttataga tgaagaagta 400

gaggatatgt accttgtgga tttcacacag aagatcatag acaagcgc 448
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<210> 245
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 35, 49, 81, 106, 146, 152, 227, 239, 293, 308, 353, 427, 448,
       476, 480, 566-567
<223> unknown base

<400> 245

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taattntaat aggtaatgtt cttcttttgt cttattgaaa caatgngaat 150

antctgtgca tttcaaatgc actccgatta tgctgtggtt ttattcacat 200

aagcacaata tgtgttttat ttataanttc ataacaaant tataatataa 250

taatttacct tagcagacat gcaaaagctt attcttgtgt ganttacttt 300

ctttaagnta ataaatataa aataaatatg tatcttaaaa atctataata 350

aaacantnga aattaaagat atgtgctttt tatttgcag atgagttcat 400

ttgtttctgt agatgtgttt tcagagntag gtacagagga atgtttgnta 450

cctttagcgg tgaaaaaga aagagngtcn agaattttgt tggattgtgt 500

ttgtgtgtgc atatatttga tatcatcatc atacattgta atctttggac 550

ttgtaatcat agcctnn 567
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<210> 246
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 100, 115, 153, 158, 185, 194, 263, 273, 286, 325, 371, 400,
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tgcttaatag tctttntagaa aaaggaaagg tgatgagcaa ataaaggaac 150

ttntagantt tacatgacta ggctgataat cttanttttt aggnttctat 200

acagttaatt ctataaattc tctttctccc tctcttctcc aatcaagcac 250

ttggagttag atntaggtcc ttntatctcg tccctntaca gatgtatttt 300

ccacttgcat aattcatgcc aacantggtt ttcttaggtt tctccatttt 350

caectctagt gatggcccta ntcatatctt ctctaatttg gtcctgatan 400

ttgnttcgtn tcacgttttc ccatttccct gtggctcact gttttacaat 450

cacngctntg gaatcatgat accactttta gctcnttgca tcttccttca 500

gtgtattntt gttttcaag aggaagtaga ttttaaatn 539
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cggagcctnt gcaggaggag cttttcggtc ctggccgnga ttttntgcag 50

gccccacgag tgggaggtgc tgagccgntc aggttctccc ttttgccact 100

ggaatcagga gaatgttgca gaggaattgc attcctggta acaagataac 150

ccagcaagac tcagactgct aacccaagga tcaactatta aggccagaca 200

gatggaccg tgttcagaat tcacacaaaa gctgaaggat ttatggatgc 250

ggatatacct ctggaattgg tgttccattt gccagtcaat tatccttcat 300

gtctacctgg tatctcgatt aactctgaac agttgaccag ggcccagtgt 350

gtgactgtga aagagaattt acttgagcaa gcagagagcc ttttgtcgga 400

gcctatggtt catgagctgg ttctctggat tcagcagaat ctcaggcata 450

tcttcagcca accagaaant ggcagtggca gtgaaaagtg tacttttca 500

acaagcac 508
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<220>
<221> unsure
<222> 85, 100, 104, 133, 156, 395, 468
<223> unknown base

<400> 248
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tctntgacag ctctgtgtct tgtctttggc ctntatccac ctccttccaa 150

gacaantgat gataagacca gcggctttaa gaaatgtgaa accaagtcaa 200

tcgtgtcatc gtccatcagt gcttttacat tgcctgtgat caaaattaat 250

aacngtgtta ttgatgagcc cagtatagat aacatcactg aagatgctga 300

caacctcaaa agtaggtcaa ggaatttgtc aatggattcc cttgtggttc 350

cttgcccaa caccagtgaa tccttccagc ccgtcagcac agtgntacca 400

aggaataatt ccattgggga gtcgttgtcg agtcagtaca agtcatctat 450

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gacagtttgg gtccaataca tccttgcatt tgctctcgtc 540

<210> 249
<211> 618
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 66, 90, 187, 263, 311, 508, 511, 547, 555, 610
<223> unknown base

<400> 249
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tccaagtgtc tgtccttgtc aagcacaccc cttgtgtcca ggttcctcat 150

gggcagtgct cgggtgaca aagaaggcga cattgantac agcaccgtgc 200

tcctcggcat gctggtgacg caggacgtgc agctcgggct cttcatggcc 250

gtcatgccga ctntcataca ggcgggcgcc agtgcatctt ctagcattgt 300

cgtggaagtt ntccgaatcc tggttttgat tggtcagatt cttttttcac 350

tagcggcggt ttttctttta tgtcttgtta taaagaagta tctcattgga 400

ccctattatc ggaagctgca catggaaagc aagggaaca aagaaatcct 450

gatcttggga atatctgcct ttatcttctt aatgttaacg gtcacggagc 500

tgctggangt ntccatggag ctgggctgtt tcctggctgg agcgctngtc 550

tcctntcagg gccccgtggt caccgaggag atcgccacct ccatcgaacc 600

catccgcgan ttcctggc 618

<210> 250
<211> 626
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 35, 67, 70, 91, 114, 133, 143, 177, 267, 394, 421, 447, 484,
      536, 540, 561, 569
<223> unknown base

<400> 250
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tccaggatga cacctantan tgcagtttga ttggcagaat ngtcgatacg 100

atggctggca aatntcctgg tccctttccc aantgtgact ggngattcaa 150

tgagtttccc aacccagttg cccatgntct ccatgttact tgtgtggagc 200

tcatggcctt ggcagtttca ggcaaagaag ttgggaatgc ccttctaaat 250

gtgtgtcctaa aaagtcngcc tttagtgcca agagagaaca ttgcagcatg 300

gatgaatgca attggtttga tcatcactgc cctaccagag ccatattgga 350

ttgttcttca tgatcgaatt gtgagtgtca tcagcagccc cagnttgacg 400

tctgaaatag agtgggttgg ntatccattc cgcctctttg atttcantgc 450

ctgtcatcag tcctactctg agatgagttg tagntatacg ttagctcttg 500

caaatgctgt gtggcaccat tttagcatcg gacaantttn tctcattcca 550

aagtttctta ntgaagtant tcttcctata gtgaagaccg aattccagtt 600

gctttatgta taccatcttg ttggac 626

<210> 251
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 80, 94, 300, 388
<223> unknown base

<400> 251
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gttactgacc ttctgcttaa tagtcttata gaaaaaggaa aggtgatgag 200

caaataaagg aactttaga ctttacatga ctaggctgat aatcttattt 250

tttaggcttc tatacagtta attctataaa ttctctttct ccctctcttn 300

tccaatcaag cacttggagt tagatctagg tccttctatc tcgtccctct 350

acagatgtat tttccacttg cataattcat gccaacantg gttttcttag 400

gtttctccat tttcacctct agtgatggcc ctactcatat cttctctaat 450

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gtatcttcct tcagtgtatt tttgtttttc aagaggaagt agattttaac 600

tg 602


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<212> DNA
<213> Homo Sapien

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<221> unsure
<222> 48, 251, 266, 352, 391
<223> unknown base

<400> 252
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ggaagccagt aaaagtaaat ctaaaggctg acaggtgta cattattatg 200

tatgtgcaat ataaatcaaa ttcaaagctg ttttctctta aattttgata 250

nttatagaga cagganttgc catggggaat ttctttcccc ttactatata 300

attttattac tagaaggaaa agtaatagca atgataataa tgaacagact 350

nagtgtcttt attacatttg ctttcctagt taccttaga ntgtcacttc 400

naagttcttt ctctgacatg ctttttctttt ctcgtgaagc gtcttacatt 450

ntgac 455


<210> 253
<211> 461
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 5, 10, 30, 115, 198, 210, 229, 289, 291, 325, 333, 338, 377, 391,
      401
<223> unknown base

<400> 253
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tcaaacatag cgatnttgtg aaaacagtgc ctgttaattt acaatgttta 150

ccttgaacag ttgtcaagtg tgattttat aaggagttgg tatgtttnta 200

agcagttatn tacttgatct ttttaatant ggggttaagg gaaacctgct 250

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tacagcatca cctatttttc attcaaatgg cacataatng ngcatgtgta 300

acagt\*gtgt acctttgtgg ggttnttttg ttntttgntt ttctttttga 350

gacagggttt cgttctgttg cccaagntgg agtacagtgg ntcgatctca 4٥0

n\*gcaacctc caccccccag gctcaagtga ttctttcacc tcggcctcct 450

gagtatccgg g 461

<210> 254
<211> 497
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 191, 232, 304, 340, 342, 357, 400, 403, 423, 447, 476
<223> unknown base

<400> 254
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agagctcaat agctcagcga ctgaagggcc tggggggcgtt tgtcattgac 150

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t\*aacaggaa ggtcctaggc agccgggtgt ttgggaataa gaagcagctg 300

a\*gntactca cggacattat gtggccaatt atcgcaaagn tngcccgaga 350

g\*acatngat cgggctgtgg ctgaggaaa gcgtgtgtgt gtgattgatn 400

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<210> 255
<211> 913
<212> DNA
<213> Homo Sapien

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<221> unsure
<222> 39
<223> unknown base

<400> 255
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tcggcgacag cctcctctgg ctctgcagtg acatcaaaca aggggccgcc 400

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aggcctgtgg ctgaccacag ataccagcca gcagtgggga accaaacgct 550

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tgaatcttgt ccctctgaag attcctgctc ttctgataca ctgggaatgt 750

ccccccagaa tagttgacac tcaggaacag cacggaacaa taatggctct 800

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gaggtcgagg gatctctaga ggatccggcc agtgtggct atcgatagct 900

tggagttgat tgt 913

<210> 256
<211> 518
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 82, 190, 205, 355, 382, 445, 484, 491, 498, 502
<223> unknown base

<400> 256
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gcactttttgg caaagaagga gcagaagaaa ggaaaagggn tcaggtttaa 200

gcgantggaa tcattcctac atgattcctg gcggcagaaa cgtgacaagg 250

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aaacattcct tggcctttgt tgtacgcatc gaaaggattg atggcgtgag 350

tttantggtg cagagaatca ttgcaagact tngcctaaag aaaattttta 400

gtggtgtctt tgtaaaagtc acccccccaga atctaaaaat gctgngtata 450

gtggaacctt atgtgacctg gggatttcca aatntgaagt ntgtccgnga 500

antcattttg aaacgtgg 518

<210> 257
<211> 301
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 44, 55, 60, 81, 172, 194, 225, 268, 279
<223> unknown base

<400> 257
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atgcagctgt ggtgtatcct aagccagaac agttgaacca tgcctttcac 150

acatgtggtg tattttccac antggctttc ttcatgataa atgntgtatc 200

caatgctcag gtgagaggtg atagntatga aagcggctgt ttaggaagaa 250

cagctgatcg agtttggntt ttcattggnt tcatgttgat gtttgggtca 300

c 301

<210> 258
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 34, 61, 114, 157, 190, 193, 201, 280, 331, 389, 403, 422,
      428, 488
<223> unknown base

<400> 258
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cacaggtcaa gacnacagag aaggctttgt agaaatgtgt cacctatgta 150

cacctgntac ttacacattt cctcttttgg aaaaatgagn tanttagaat 200

cacaagaaaa ttaagacata ctggcctggt gccagtagat ggcttttcta 250

tagacaaact aggttagtgt ggaagatatn ggttaaaata aactatgctg 300

tttatttat cttcccaacc tgattggcag ntgactttt ttagggtctc 350

attaatggc cctgttttt tcattattat atttaatgnt agggcaggat 400

ttngtatgca agctcttgtt tntcaggntg cctgcagaag aagtcgctat 450

aaattatctg ttgtctacat ggtacaaggc ccattgantc atctgatgct 500

tgtttttgtta atttctttaa tatttttatc acgggcagt gggag 545

<210> 259
<211> 535
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 27, 30, 35, 177, 190, 212, 233, 272, 303, 386, 514
<223> unknown base

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<210> 259

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gagcccgcct gntctatgag agcagaaaga ggggaatntt ggaaaagtgc 250

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canttacagt atacatatat atttatatca caatttacga aaccaaaaag 350

ttgagtttcc aatggaaccc ttgttttta ataatngact ttttaaatgt 400

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<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 11, 69, 150, 224, 229, 254, 354, 371, 396, 420, 425, 433, 475, 483, 486
<223> unknown base

<400> 260

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taaaccatat tagataatgt ggaagtcata ttgtctatca tatatactgc 200

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ttcgataatt tttagttatt ttgtaatgca gagtgtttat tcatttcaca 350

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tacncacttt aaacatgag 519
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<210> 261
<211> 407
<212> DNA
<213> Homo Sapien

<220>
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<221> unsure
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       342, 360, 380, 383
<223> unknown base

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 anratgtata tagctctgtc ttcagtccat gntctgatcc tttgtggatt 350

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 caaatcc 407

<210> 262
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 35, 37, 64, 182, 211, 263, 329, 398, 410
<223> unknown base

<400> 262
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 gtgggtgaat ataattctgc acttcccctc ctcagtgctc ttgtttgctc 150

 tganagatac aaccttgcag tagtttggct tngtcatgca gaatgtttaa 200

 aggrcttagg ntatatggag cgagctgctg aaagctatgg caaggtggtt 250

 gantggccc cantccattt ggatgcaagg atttcacttt ctaccttca 300

 gcancagctg ggccagcctg agaaagctnt ggaagctctg gaaccaatgt 350

 atgatccaga tactttagca caggatgcaa atgctgcaca gcaggaantg 400

 aagttattgn ttcatcgttc tactctgttg ttttcacaag gcaaaatgta 450

 tggttatgtg gataccttac ttactatgtt agccatgctt ttaaaggtag 500

 caatgaatcg agc 513

<210> 263
<211> 650
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 62, 71
<223> unknown base

<400> 263
ttgagacctg gatgaacaaa tttatatcct ttccttngag gaagaagcac 50

tccagagacg antaaatggg ntgtcttcat cggtggaata caacataatg 100

gagttggaac agaacttgaa aatgtaaaga ctcttaagac aaaattagag 150

aggtgaaaa aggcttcagc atgggaaaga aatttggtgt atcccgctgt 200

tatggttctc cttcttattg agacatccat ctcggtcctc ttggtggctt 250

gtaatattct ttgcctattg gttgatgaaa cagcaatgcc aaaaggaaca 300

aggtggcctg gaataggaaa tgcctctctt tctacgtttg gttttgtggg 350

agctgcgttt gaatcattt tgatttttcta tcttatggtg tccctgttg 400

tcggcttcta tagcttcga tttttttggaa actttactcc caagaaagat 450

gacacaacta tgacaaagat cattggaaat tgtgtgtcca tcttggtttt 500

gagttctgct ctgctgtga tgtcgagaac actgggaatc actagatttg 550

atctacttgg cgactttgga aggtttaatt ggctgggaaa tttctatatt 600

gtattatcct acaatttgct ttttgctatt gtgacaacat tgtgtctggt 650

<110> 264
<111> 441
<112> DNA
<113> Homo Sapien

<120>
<221> unsure
<222> 79, 106, 160
<223> unknown base

<400> 264
tttttttggt agagatgggg tttcgccatg ttgcccaagc tgttcttgaa 50

ctcccgggct caagtgatcc gcctcccctng gcctcccaga gtgctgggat 100

tacagncacg gaccaccatg cccagcctcc acatcttttt ttgcactgtg 150

tatactcttn tgagacatgc caacttcctc caggtcaaga aaggggtata 200

tagctctcag cttcactctt tcagggctga tgtcgccttt gccttttctc 250

acttcactga cctgtctatt cctacaactg tctctttcta gagaagcctc 300

aatgatcagg attgacaggc cacactctcc cccaccattt ttttctcctc 350

cttcaagcct cttgtctgtt tcaccctctt ccaccttgga ggctgaggtc 400

ttattttgact cttcacctga attgaccttc ttccttccca c 441

<110> 265
<111> 201
<112> DNA
<113> Homo Sapien

<220>
<221> unsure
<222> 21, 39, 67
<223> unknown base

<400> 265
tgacatcttt ttctctaatt ntcagaagtg tttcaatgnt attaattcat 50

tatttcctcc tctctgnttt tttttttaatt ccctgtctgg ggaatcctgt 100

tatcctgata tgagcactct acttctattc tccatagcac ttagctcctt 150

taaaaatatt ctctttgttc tctacttctg ccttctggga gagtttctca 200

g 201

<210> 266
<211> 301
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 94, 128, 146, 167, 232, 257
<223> unknown base

<400> 266
tttttttntc aagtcttgat ttgtggctta cctcaagtta ccatttttca 50

gtcaagtctg tttgtttgct tcttcagaaa tgttttttac aatntcaaga 100

aaaaataagt cccagaaatt gagtttantg ttgcttgtat ttgganncat 150

ttgtggnttg atgttantgc actatacttt tcaacaacca agacatcaaa 200

gcaagtgncaa gttacgtgag caaatactag anttaagcaa aagatatgtt 250

aaagctntag cagaggaaaa taagaacaca gtggatgtcg agaacggtgc 300

t 301

<210> 267
<211> 700
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 61, 67, 132, 134, 150, 183, 194, 197, 238, 355, 424, 431,
      449, 465, 470, 478, 507, 509, 523, 527, 529, 533, 560, 578, 614,
      644
<223> unknown base

<400> 267
gggccagat tgcgaaattg aggcnccaag gcggccgaga cggactgaag 50

cattcaagg ntccggnggg ttcccatgat ttgaacggag tcgtttcccc 100

taatgggtgt tttgacccc atcccggtgc tnangtggtt tttccccatn 150

atcggccaac atggcatttt gaaatccaca ggngtcattg gganttngcg 200

ggcccctaat ttgtttcaga caggccggga gggcagtntg gccagaagga 250

```
ttcttaagta actgacccag cccttgccc ccacccttgg ggtaccgaga 300

catgggtagg gattagaggc aagagtggag agtcagacca tccaggaacc 350

acatntttgg accttcagaa ggaggacaac atggcctttg gaaagcctgc 400

caagtactgg aagttggacc ctgntcaggt ntatgctagc gggcccaang 450

catgggacac ggctntgcan gacgcctntg aggagtacaa gcaccgcatg 500

cacaatntnt gctgtgacaa atnccantng cangtggcat tggccctgaa 550

tctgatgcgn tacaacaaca gcaccaantg gaatatggtg acgctctgct 600

tcttctgcct gctntacggg aagtacgtca gcgttggggc cttngtgaag 650

acctggctgc ccttcatcct tctcctgggc atcatcagcg gccgccgtaa 700
```

```
<210> 268
<211> 283
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 120, 181
<223> unknown base
```

```
<400> 268
```
```
gaatctgttt ccaaaaaaaa aagctttaag aagtctttag atttacagnt 50

aagcatattc taaatactat gtgatgaatt atttctctta tgttaaaaaa 100

aatattaatt tggacccaan tatgactgtg ggtattctgc ccagggaaga 150

agagctagga ggtttaaacc ttaccttgga nttgctgctt tgttttctat 200

gccttcntga cagaaggatt tatttcactt ccgaaatatt agccataatg 250

ccc 253
```

```
<210> 269
<211> 659
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 33, 58, 200, 240, 403
<223> unknown base
```

```
<400> 269
```
```
cactaggaaa aattgaaatn ctattggaaa ttnttttggc cacaaaggta 50

aataggtnta ccaggggaaa caggcatcaa gaaaattgcc ccaattttta 100

aaacaatagg gttatttgag tagttgagtt taagaaatga aaaccacaaa 150

ttttggtgga acttaaacac cacagtctat ttgtctgtaa tttctcaggn 200

tttattatag ttcatgataa aatcaatttt ccatctctan tttgtttttc 250

ttcaacaagt gatctatctt ttacaaaagg gaatattttg ctggagaaat 300
```

```
gctcattgtt tccttctgt atgtctttga gggtaatgct aaaagcaagc 350

tcaaatttca aaatatgtta tttttaaaat attttatata ggatttgtta 400

aanttatagt tttcaaggat tgtcttttgt ttctttggat tctgattaag 450

tgatttttaa tgtattcctt taaaaatatt tattggcaca ttgtatttgt 500

acatattgat gggataaaat tgatgcttct gtacatatat atttggcata 550

atcatcaaat ttgggtattt agcttattca tcacctcatt catttatcat 600

ttctttatgg tgagaacatt caaaagtctc tcttccagct attttataat 650

atattatac 659
```

<210> 270
<211> 628
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51, 106, 111, 120, 140, 378, 513
<223> unknown base

<400> 270
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tnnggaagaa gcacctcaga gggattaagc tcctgagaat gttacctgca 50

nnnacctga tggcgtgcca atagatatca cagtgaagtt gatggtcttc 100

ccttgnacat ntcaacattn ttgaaccact taatcctctn ttgacaacac 150

tagtagaaca gaatcctgaa gatatgggag acctatacct agatgttgct 200

gaagcttttc tggatgttgg tgaatataat tctgcacttc ccctcctcag 250

tgntcttgtt tgctctgaaa gatacaacct tgcagtagtt tggcttcgtc 300

atgcagaatg tttaaaggcc ttaggctata tggagcgagc tgctgaaagc 350

tatggnaagg tggttgatct ggcccnantc catttggatg caaggatttc 400

agtttctacc cttcagcagc agctgggcca gcctgagaaa gctctggaag 450

ctntggaacc aatgtatgat ccagatactt tagcacagga tgcaaatgct 500

gnncagcagg aantgaagtt attgcttcat cgttctactc tgttgttttc 550

annaggcaaa atgtatggtt atgtggatac cttacttact atgttagcca 600

tgntttttaaa ggtagcaatg aatcgagc 628
```

<210> 271
<211> 595
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 71, 76, 86, 91, 162, 220, 269, 281
<223> unknown base

<400> 271
```

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```

```
tggttttttgc cccataaatt ccctcagctt gagcagtttg ttaaggaatg 50

aggttacaga ttcaggaatt ntaggncctc aacctntaga ntttgtccca 100

aatgttctcc gacatgcagt agatgggaga caagaggaga ttcctgtggt 150

catcgctgca tntgaagaca ggcttggggg ggccattgca gctataaaca 200

gcattcagca caacactcgn tccaatgtga ttttctacat tgttactctc 250

aacaatacag cagaccatnt ccggtcctgg ntcaacagtg attccctgaa 300

aagcatcaga tacaaaattg tcaattttga ccctaaactt ttggaaggaa 350

aagtaaagga ggatcctgac caggggaat ccatgaaacc tttaaccttt 400

gcaaggttct acttgccaat tctggttccc agcgcaaaga aggccatata 450

catggatgat gatgtaattg tgcaaggtga tattcttgcc ctttacaata 500

cagcactgaa gccaggacat gcagctgcat tttcagaaga ttgtgattca 550

gcctctacta aagttgtcat ccgtggagca ggaaa 585
```

<210> 272
<211> 616
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 80, 86
<223> unknown base

<400> 272
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cggaaacca tgaggtaatg ccncaatggc atattgtaaa tgtcatttta 50

aacattggta ggccttggac atgatgctgn attacntctc tttaaaatga 100

cagccttcct tcgcctgttg gtgctggccc ttggggagct ggagcccagc 150

atgctgggga gtgcggtcag ctccacacag tagtccccac gtggcccact 200

cccaggccca ggctgctttc cgtgtcttca gttctgtcca agccatcagc 250

tccttggaac tgatgaacag agtcagaagc ccaaaggaat tgcactgtgg 300

cagaatcaga cgtactcgtc ataagtgaga ggcgtgtgtt gactgattga 350

cccagcgttt tggaaataaa tggcagtgct ttgttcactt aaagggacca 400

agctaaattt gtattggttc atgtagtgaa gtcaaactgt tattcagaga 450

tgtttaatgc atatttaact tatttaatgt atttcatctc atgttttctt 500

attgtcacaa gagtacagtt aatgctgcgt gctgctgaac tctgttgggt 550

gaactggtat tgctgctgga gggctgtggg ctcctctgtc tctggagagt 600

ctggtcatgt ggaggg 616
```

<210> 273
<211> 537
<212> DNA
```
```

<213> Homo Sapien

<220>
<221> unsure
<222> 26, 44, 60, 107, 114, 234
<223> unknown base

<400> 273
tgaagttgaa ttgaatgata tgaggntttt ctttcccaag gtcnaccagg 50

accaagattn ttttatagtt ataagccttg aaagaaattc ttgcaaggtg 100

ttggacnctt actnaagcag agaagatgtc ctttgaaact cagaaacgaa 150

ccttggtaca gaaaatcagt atttaaggcc cagaacttat tgaaagcgca 200

atgtacttct accgtgccac gggggatccc accntcctag aactcggaag 250

agatgctgtg gaatccattg aaaaaatcag caaggtggag tgcggatttg 300

caacaatcaa agatctgcga gaccacaagc tggacaaccg catggagtcg 350

ttgttcctgg ccgagactgt gaaatacctc tacctcctgt ttgacccaac 400

caatttcatc cacaacaatg ggtccacctt cgacgcggtg atcacccct 450

atggggagtg catcctgggg gctggggggt acatcttcaa cacagaagct 500

cacccatcg accctgccgc cctgcactgc tgccagaggc tgaaggaaga 550

gcagtgggag gtggaggact tgatgaggga attctactct ctcaaacgga 600

gcagtcgaa atttcagaaa aacactgtta gttcggg 637

<210> 274
<211> 697
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 26, 59, 66
<223> unknown base

<400> 274
tatgggcata gaaaaccctg gaaagnccca tccaccatta tatatagagt 50

gattgtctnt gcttgntgag ctaacagggg tgtcaagctt ccattttggt 100

atctacttct aaatacactc agaccaggag aaatttggac taattttcaa 150

attacagaca cttctaatc atgatgcatt tcaaaagtgg actcgaatta 200

actgagttgc aaaacatgac agtgccgag gatgataaca ttagcaatga 250

ctccaatgat ttcaccgaag tagaaaatgg tcagataaat agcaagttta 300

tttctgatcg tgaaagtaga agaagtctca caaacagcca tttggaaaaa 350

aagaagtgtg atgagtatat tccaggtaca acctccttag gcatgtctgt 400

ttttaaccta agcaacgcca ttatgggcag tgggattttg ggactcgcct 450

ttgccctggc aaacactgga atcctacttt ttctggtact tttgacttca 500

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gtgacattgc tgtctatata ttcaataaac ctcctattga tctgttcaaa 550

agaaacaggc tgcatggtgt atgaaaagct gggggaacaa gtctttggca 600

ccacagggaa gttcgtaatc tttggagcca cctctctaca gaacactgga 650

gcaatgctga gctacctctt catcgtaaaa aatgaactac cctctgc 697
```

<210> 275
<211> 621
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 48, 82, 136
<223> unknown base

<400> 275
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tgggacacgg gttaccccaa gngcagcgct ggcaaggcct tcatgatntc 50

cgtgtgctct acgtgaccaa ttcccacctg gntggggcaa ggtctacttc 100

gcctatttta ccaacacgtc cagttagagt acacgnacgt gcccttccac 150

aaccagtatt cccacatctc gatgctggat tacaacccc gggagcgcgc 200

cctctatacc tggaacaacg gcaccaggt gctctacaat gtcaccctgt 250

ttcacgtcat cagcacctct ggggacccct gagccaatgc tgtggctcgg 300

ctgctgcct gggggggcctc cgggggctgg gggcccttt cattctgcct 350

ctgtccctca aggtgatct ctctgtctct gtcacgccct ttctccccgc 400

cttttgctg ggctttgtt ctctgcctat gtatttctgt ctattttttc 450

aattcccct cttctccttt attgatctct gcttttaata caccacttct 500

ttcttctgc cttttatgg atgtcttttt cttttatgg ctctggttct 550

ccagttcttt ccgtctctgc ctctctctgt ctctctctct ctgtccttcc 600

accctccct ccttgcctcc c 621
```

<210> 276
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 5, 28, 71, 73, 86, 126
<223> unknown base

<400> 276
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cgaangcgtg ggtgtgcatc cgggtgtntg aaggctgtgc ccgttttgtt 50

tcttggctaa aatcggggga ntnaggcggg ccggcncggc gcgacaccgg 100

gctccggaac cactgcacga cggggntgga ctgacctgaa aaaaatgtct 150

ggatttctag agggcttgag atgctcagaa tgcattgact gggggggaaaa 200
```

```
gcgraatact attgcttcca ttgctgctgg tgtactattt tttacaggct 250

ggtcgattat catagatgca gctgttattt atcccaccat gaaagatttc 300

aaccactcat accatgcctg tggtgttata gcaaccatag ccttcctaat 350

gattaatgca gtatcgaatg acaagtccg aggtgatagt tacagtgaag 400

gttgtctggg tcaaacaggt gctcgcattt ggcttttcgt tggtttcatg 450

ttggcctttg gatctctgat tgcatctatg tggattcttt ttggaggtta 500

tgttgctaaa gaaaaagaca tagtataccc tggaattgct gtattttttc 550

agaatgcctt catctttaat 570
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<210> 277
<211> 542
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 11, 34, 50, 124, 264, 266, 305, 307, 334, 424, 458, 501, 582, 613, 638
<223> unknown base

<400> 277

```
agtttccttt aaattggggt nggggtgtta agcnctgaaa atatcttta 50

tcattacttt accatgtgga catatgggat aaatactgta tttcagattt 100

acataaaagt agattagtaa tgcncagctt tcagaataaa aactgataaa 150

aaagaccaag cactatcaac tttggacagt aatttcttag gtgttaaaca 200

agttttctga atacaatctg gatgcaaaac ggcctgattt gatgaattca 250

taattttctt ctgnanactt tcattttatt aaatatttta ttacttggtt 300

aaacncnaga attatctatg taaacttcat gggntttttt gttgaaagtt 350

agatgttcag taactaattt cccagttatg gccagaatt aaacatttat 400

gaacatattt cagaagtcaa aatncaaaac tggattatca aaacgcttgg 450

tgtugtcnct ttaaactgga ctatcagtat ggttgccgtg gtcactttaa 500

ncgugattat cagtacggtt ggtgtggtca ctttggttta tcattaatac 550

agttggtgtg gtcactttaa actggattac cnatatggtt ggtgtggtcg 600

ctttaaagtt tgntttcatt ttttctatt tttaattntt ac 642
```

<210> 278
<211> 434
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 146, 162, 199, 203, 225, 245, 271, 286, 296, 323, 328, 359, 368, 431
```
```

<223> unknown base

<400> 278
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tgacgtataa tttgtcttag tcagttttgt gttgctataa cagaatacct 100

gagactaggt aatttataaa aataaagttt atttggctca tgattntgga 150

gctcgaaagt cnagattggg cagcccatat gatgagggtt gcacacttnt 200

tcnatttatg gcagaaagtg gaaanggaag caggtgtgtc caaanagaca 250

tgcaggagag gttggagtca ntgctctctc aggaantaat tcattctnta 300

gagagtgaga actcacttaa ctnttgcnag agggcattaa tctattcacc 350

catcaaacna acaccctnca gtagactcca ccatttaaca ctgccatatt 400

gggaatcaaa tttcaacatg agttttggca nggg 434

<210> 279
<211> 335
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 140, 178, 241, 244, 247, 264, 314, 321, 326
<223> unknown base

<400> 279
cctttggaaa ctgggattaa tgtatgctct agatccattt attagaaatg 50

caaaaatact acaatttttt gatggatgaa aatactcctg taacacaaac 100

agaaactgg aggaactgaa gaataactca ctcatatagn tctgcctcat 150

tcttgtgtg tgtgcatgtg tgtgttanca gaggtatttt actcagaaaa 200

caggtttcaa agaacattaa tgactttctt ttccctttta ngtntgntta 250

atcagttaaa ctgntatggg aaaagtttta tagaactata taacctgaat 300

gttugtctct ttgnacacat nttttntatg actgc 335

<210> 280
<211> 254
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 135, 140, 143, 163, 190, 207, 209, 219, 221, 241
<223> unknown base

<400> 280
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gacacttgcc tgcacggaca cccacatcct gggcctttta gttaccctca 100

acagtgggat gatgtgtgtg gccatctttc ttatnttaan tgngtcctac 150

acggtcatcc tangctccct gaagttttac agctttaaan ggcggcacaa 200

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agccctntnt acctgcagnt nccacctcac ggtggttgta ntgttctttg 250

tccc 254

<210> 281
<211> 402
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 15, 96, 205, 265, 331, 334, 337
<223> unknown base

<400> 281
tggttccagg tcaccatcct tagcntcaaa ttcataaaat ggttgcttct 50

acctccagcc tgatatcctt gtgatgggca ggcagaacca gggctntaag 100

gaaaggagcc agcacctgta tcaagaagcc aaagccttcc ctgaaatctt 150

tagcagacgt ctgcttgtga ctatttgget agaactttgt gacatggcca 200

ctccntgctg caaggacatt tacagttttt cagttgggcc cattgccacc 250

ctgagcaaag ggtcnataag gaagaagacg gagagtggac atgttgggca 300

ttcacctgcc agcactccat ccagacagcc ncanaantgg tgggtaaaca 350

gagacageat acattcactt atcaactgtt tagtaaattc ctggcatggg 400

ca 402

<210> 282
<211> 515
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 176, 217, 231, 253, 282, 287, 337, 350, 352, 364, 403, 452
<223> unknown base

<400> 282
agccagatc caggaaccat tcctatttca ggattttgaa tgcaaaactt 50

accctnttac tctaaagatg aatgtcaggg agagatttat tcaaccctga 100

gatttttgca gtctccttca gagtcacaga atagattaag gcctgatgat 150

actaaaaggt ctgggaaaac tgatgncaaa gaattttcag tgccctggca 200

cctcattgca gtgactnttg ggatcctctg nttacttctt ctgatgatag 250

tcnragtgtt ggtgacaaat atctttcagt gnattcnaga aaaacatcaa 300

cggtaggaaa ttttaagaaa ctgtagtgaa aagtacntca tgcaaaatgn 350

cnattactta aaanagcaga ttttgacaaa taagacttta aaatatgacg 400

ttntcaaraa tagcttttcag cagaaaaagg aactggattc acgccttata 450

cnaaagaaca gatgtcatag agaaaatgag atcattttta aagttttgca 500
```

aaatacaggc aaatt 515

<210> 283
<211> 433
<212> DNA
<213> Homo Sapien

<400> 283
aggaatgacc ttcctcaggg ggctgaggat accccacagg cctcctttct 50

ctccagttcc agggtttgac tatgcaccta tttaggggct gcttgctcaa 100

cggagataggg tacaggaggt ggtctgggaa aaacaaaatt gatcttccta 150

tcaatttatat ttttgtttag cggaatctat acacacccat ttctttggat 200

attattcccca gttactccag ctaatccaaa taatgatatt tgccctcagt 250

taagaaaaga ttttattttt aggaacagaa gtctagtagc agttttgctt 300

ttattaacg ttttaaggaa catttacctt agatatcatg attcttgggc 350

atttgcaaaa tgcagtcaat atcaaacagc aatggttgct tgttttatga 400

tcgatcagaa tttgtccctt atattaattt cag 433

<210> 284
<211> 496
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 8>
<223> unknown base

<400> 284
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aggtgattgg cggcggcggc ttcctccccg ctngtcctcc ccgggcccag 100

aggraatcg gcttcagtca tgctgagcag agtatggaag cacctgacta 150

cgaagtgcta tccgtgcgag aacagctatt ccacgagagg atccgcgagt 200

atattatatc aacacttctg ttgcaacac tgtacatcct ctgccacatc 250

ttcctgaccc gcttcaagaa gcctgctgag ttcaccacag tggatgatga 300

agatgcacc gtcaacaaga ttgcgctcga gctgtgcacc tttaccctgg 350

caattgccct gggtgctgtc ctgctcctgc ccttctccat catcagcaat 400

gagatgctgc tctccctgcc tcggaactac tacatccagt ggctcaacgg 450

ctctctcatc catggcctct ggaaccttgt ttttctcttc tccaac 496

<210> 285
<211> 555
<212> DNA
<213> Homo Sapien

<220>

Page 133

<221> unsure
<222> 12
<223> unknown base

<400> 285
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ttcatatatt taattttat aatctttaca gattacaata ctgtgatgag 150

actgttcctg taacttttga tccacacaca gaatttcttg gtcctcagaa 200

gaaaacagaa caagtccaaa gagacattgg attttggtgt ccaaggcatc 250

ttaagacttc tggggacaa ggatataagt ttctgggaat tgaccagtgt 300

gcqctccat gccccaacat gtatttcaaa agtgatgagc tagagtttgc 350

aaaagtttt attggaacag tttcaatatt ttgtctttgt gcaactctgt 400

tcacattcct tacttttta attgatgtta gaagattcag atacccagag 450

agaccaatta tatattactc tgtctgttac agcattgtat ctcttatgta 500

cttcattgga tttttgctag gcgatagcac agcctgcaat aaggcagatg 550

agaagctaga acttgg 566

<210> 286
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 46, 111, 121, 176, 185, 212, 221, 236, 239, 267, 308, 329,
      371, 393, 399, 405, 412, 417, 423, 427, 486, 490, 495, 517, 524,
      531, 533, 544
<223> unknown base

<400> 286
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ttgtaccttt gnggtcctgt ntcacagaca cctgtntant ccctgaccct 250

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cttttcntc tgtgagcttt agataaacna cctagtgttt aaactttta 350

ataagggatt cattttttaa nacatgagaa ttcatttcaa aancttggnt 400

ttagntattt antttantct acntggntct ttttcagaca gatgttctct 450

cctggattgt aaaagtcgaa ttcaaaggat ttttanttgn aatanactta 500

accttttctct tgtaagntgc catntgtgta nanacagctt tgantgcctg 550

acaagaggaa aatgtttccc 570

<210> 237
<211> 556
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 80, 179, 195, 203, 263, 304, 310, 313, 427, 437
<223> unknown base

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 aatacttcag cattttgcat tctgtacant gtggtgcttt ttccnccttg 200

 taatgttcta actgtaagct cctaggggc agcaatttgg ataaatcttt 250

 tggtaagtag ttntcaataa aatatcttcc ctcccatac ccctacccga 300

 aatnttatan tgntctttac aaaactttgg tcaagagtag aaatatatcc 350

 aggcagatgt atatgccata caatagcaag aacagtaaag cccaactaat 400

 gattttgagt tttaaaaata gaaggcnatt aaaatgnact caaagttaca 450

 ttaagaaag ctttcacggg ggtaatattg aaacagtcac aaaggttaag 500

 aaaatactga tagcagtttt tgtctatttt aacattgtag tcatttgtac 550

 tttgat 556

<210> 238
<211> 594
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 73, 113, 215, 252, 257, 263, 267, 269, 277, 287, 293, 297, 302,
      310, 457, 506, 521, 554, 584, 591
<223> unknown base

<400> 238
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 aaataggtaa tantttgtt ttattctaga aaacagctcc ttgaacacag 150

 tgagctggct tttcacacat tgcagttgtt agtgtttact gcccttgcca 200

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 gnttccntga tangctntng acagctnttt ggctggnttt ttngcanagt 300

 tngttttgan aaggttatct ttggcatttt aacagtgatg tcaatacaag 350

 gttatgcaaa cctccgtaat caatggagca taataggaga atttaataat 400

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tgctgtnttt gcaggtgcca tgcctacaat ggcaagcatc aagctgttta 500

cacttnatcc cattgtgaat natccacatt acgaagatgc agacttgagg 550

agtnggacaa aaatagttta ttttacatat agtngaaaat ntgc 594
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<210> 289
<211> 713
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 70, 96, 106, 113, 113, 134, 227, 299, 384, 421, 430, 454, 464,
      546, 556, 561, 597, 616, 622, 667, 673, 712
<223> unknown base

<400> 289
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aaaaantcag gtntatttnt taccagtcag tacnatttt aaagaatgta 150

cttagtatat aatatatgga cttcaggaac tttattgggg tggggggtta 200

atttgcctt accctgttca ctttcanatg attaggcttt tgcactttag 250

aatcagnaac ttgtgacgtt agtgtgttct tactagcttt aatttgtang 300

tagraatgaa ttgtgaatct tagtgcagtg ggttttttta aaaaactcaa 350

aaagctggga attaagtggt ttcagtaata atgntatacc gaggtgcttg 400

cattgtattt cataattttg ntacaaaccn aaattatttt taatgagaac 450

agtnttgggt tcanaggtgt gatgccagaa tgtattttcg tactgttagg 500

ccttggaac agatatcggt gcttttgaa agatgaaaga aatgcnatgg 550

gtgtnttca ngcaaggttg caaacctacc aagaatgcat aatagtntca 600

cttttccca ataaanagat gngtgtgact agtttggac ttttaaccdt 650

aatggggtt gcatgtntcc tantgttaat cattgtcagc tgcagtgaca 700

tgatcnacag tnc 713
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<210> 290
<211> 687
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 16, 38, 49, 71, 81, 191, 257, 270, 276, 323, 343, 385, 407, 416,
      435, 463, 468, 501, 533, 544, 557, 569, 576, 579, 588, 591, 594,
      600, 605, 649, 682
<223> unknown base

<400> 290

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attcgtgggg ggcccaggaa ncaggaggtc ncatgggatt ccagacataa 1((

gatcaggttt taaccccctt tggcccaaat tttggctgaa aatgttgaat 1((

tatcaactct gaaattaaaa agaaagttta tattaaaaca ntgcaatttt 2((

ccttagaatt tctgtatata ttaacatcat gaatgataaa ttctcttcaa 2((

tgtgcangtc aggttttgn acttgnatat caaatctatc tgtgtgtatg 3((

aagtgtatgt ttattgaaat acnagatatt taagaagctg atntggaaag 3((

ttggatttttc attctagttc ctaattccca gaggnttttt taaaggaagg 4((

gaatgtntgt ggtacnccag ttgtcagctg ggtggntact ggatcatctt 4((

tcttttattca acnagatnaa ctatcaactt caccagcatc atgaaccttg 5((

ntgccgtaaa aaggagttca ctacttctgt tcnctttgag tctnttcaaa 5((

tggattntgt gtcctcctnt ggagtntgng ccatttantg nttntgactn 6((

ttccnctaag ccagagaatg atgatggagg aaattatgaa atgttcacnc 6((

gaaaatttgt ttttcgacct gaactgtttg angtcac 687

<210> 291
<211> 673
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 34, 66, 97, 187, 229, 263, 309, 314, 346, 397, 448, 451, 463,
     487, 491, 536, 563, 575, 608, 618, 625, 636, 656, 665
<223> unknown base

<400> 291
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attagtgtgt tacctcaggt aaaggggggg aaccctacag gactgttaca 150

aggattaaat gaaggaattt aagtgtgtgc atgtatntgg catgtagaaa 200

atacagtgtg gtggggagag aacagattnt agaaccagac tgcctgagtt 250

caaatcccag tntgctgct tcctggctgt gtgaccctgg gcaaatcact 300

tagcctgtnt gggnttcaga tttctcatct gataatgaag ataatnaaat 350

acctatcttt atggttgtag taaggattaa atgaattgaa ataaagnttt 400

tagattaata cttgatatgc tacataggtg tcagccattg ttaatcantg 450

ntgtcattat agntattatc aacatgatta tttgctntaa naggaactca 500

ggcatttgca gggtgtgggg aaccctgagc tgggtntccc ctgttgggtg 550

ttgtgtcccc atnataccct taggncaacc caggtcaggt cagggggatg 600

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acgtgngcag caggtngtta tgg 673
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<210> 292
<211> 673
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 54, 71, 73, 89, 104, 127, 142, 177, 308, 409, 423, 430, 451, 468,
      473, 551, 558, 581, 598, 622, 629, 632, 660
<223> unknown base

<400> 292

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tggntaatgt gattattgat ctgagaatga atctttntta gntattccaa 150

acttagntat ttttgcagtt ttggnanttt ttcctcatt ggaactccca 200

aaaatcgat tgcttctgcg tgtttttta tttgcctgat aactgatcct 250

ttccttgaca tttattttag tggactttca gtaactgaaa gatggaaacc 300

cntttgnac cgtggaagaa tttgcagaag actttcagtc gtttttgctg 350

gaatgattga gcttacattt tttattctttt ccgnattcaa acttagagat 400

acncanntnt ggtatttgt aanacctggn ttttccattt ttggaatttt 450

ntggatnatt tgtcatanta ttttnctttt aactctttgg ggattccata 500

ccnaattaaa tgactgccat aaagnatatt ttantcacag gacagattac 550

natagnnntg atagaatcat ggcatccaaa nggatgcgcc atttttgntt 600

gatttnagag cagttggtgt tntttagtnt tnttgcaaca gcgatttttgg 650

gagnagnttn ccg 663
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<210> 293
<211> 603
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 44, 90, 108, 124, 171, 351, 376, 378, 389, 396, 453, 477,
      507, 518, 524, 541, 587
<223> unknown base

<400> 293

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aaatcatntc agggagaaca aggnccagcc ttcctcctct attcactcaa 150

acacaccacc caagcaccca ntttggccag actctgtgat ggtccctgcc 200
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ctcaaaggac tgttcatggt ctagagatga aagagcccag tcaacagtta 250

tactgtgtgg tggcggcggg agggtaatca caggtattt atgggtacaa 300

aaaggaggca ccctgacctc accagaaata gctaccctgt gccataggct 350

ntaggcagac tttactgaca ttgaanancc ttttgcagnc aattancaaa 400

aagattacat gtgtaaatgt gacagaacag ggattcagag cctgaatgtt 45

tangcctgct ttatcctcat tttgtcnctg tggaggcaga ggtgggaaaa 50.

ctaagtntag aagccatntg agtntgggtg ggagccacct ntatatttgt 55.

cataagtctc tgatggtcct ttggtttcta gctatanctg tgtccactag 60

tgc 603

<210> 294
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 42, 94, 99, 106, 122, 147, 187, 198, 458, 482, 484, 497, 560,
      509, 626, 665, 679, 691
<223> unknown base

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aaagccttca gtaaataggt aaaattttgg tttattntag aaaacagntc 200

cttgatacag tgagtggctt ttcacacatt gcagttgtta atggtttact 25:

gccttgcca tttttaatta tgaggctaaa gatgttttg acaccgcaca 300

tgtgtgttat ggcttccttg atatgctctc gacagctctt tggctggctt 350

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aatttaanaa tttgcctcag gaaaaacttt tncnagtgga tcaaatncag 500

tacacaatca gatgctgtct ttgcaggtgc catgcctaca atggcaagca 550

tcaagctgtn tacacttcat cccattgtga atcatccaca ttacgaagat 600

gcaaacttna ggcctggttg cagtangctt gaaatctggg atgtggaaga 650

ccctccaat gcagntaacc cttccttang tagcgtcctg ntcgaagacg 700

ccat 704

<210> 295
<211> 504
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 89, 104, 139, 152, 165, 171, 211, 223, 278, 313, 351, 374, 386,
      389, 446, 482, 485, 493
<223> unknown base

<400> 295
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 tnttcaaaat aatgntttca nttcttttctt cttttttcca ttttttttcca 200

 attiggagtc nctgaaaact aanctgtgct ttcataaagc cctgcaaact 250

 gaatctagac aacttcagaa gaaaaatnac agcaacctat ttacatacat 300

 aagccacttt canacctgcc taccgatgta tggacttcag agtaatgtgg 350

 nttatagcaa ttttccagga ttgntctttt gtttgntgnt gttctccctt 400

 cctcccccta ttttgtcttt atgggacatg acacttcaca accttntaaa 450

 aatgagtttt cctaataact caggacctac tngtntagaa atnaaccatc 500

 ctag 504

<210> 296
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 104, 163, 201, 212, 228, 244, 251, 257, 293, 365, 444, 458,
      465, 495, 526, 538, 552
<223> unknown base

<400> 296
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 gctngccctg tattgaccaa ggagcagctg gacaaccaat tggatgcata 150

 tatgtcgaaa acnaaaggac acctggatgc tgagttggat gcctacatgg 200

 ngcagacaga tnccgaaacc aatgattnaa gcctgcccat cctnccatga 250

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 agaagaaatc tgattgatgc tggatggacc tatcacaata ggctgtggac 350

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 ttttttangg gggangggg gtttcccctc ctttgcccag acttntcttt 500

 gaacacaaat gcattagcct tgtgggntaga acaccctntt cctacctctg 550

Page 140

tntcccc 557

<210> 297
<211> 501
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45
<223> unknown base

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acugcgcccg gcttgttggc cgtattttg gaatgcattt ggagcttggg 150

tcactagttt ttgtttcat gtgatgtcac caacatgttg cctatacaga 200

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tggaattttt tttggatttt ggaatatctt catgtaaata atgagatttg 300

ttgtggatca gactcaagtc taaacatgaa attcgtttat gtttcatata 350

tacttatac acatacctta aaggcagttt tatacagtat tttcaatggt 400

gtgtatgaaa caaagtttgt gttcattgat ccatcagaaa gcaaagatgt 450

caatgtctca gccatacgtg gacaatctgg ttggttagcg tccccatcgt 500

t 501

<210> 298
<211> 515
<212> DNA
<213> Homo Sapien

<400> 298
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ctctcagttt ccatatgtgg aatttacagg aagagatagt gtcacctgcc 200

ctacttgtca gggaacagga agaattccta ggggcaaga aaaccaactg 250

gggcattgat tccatatagt gatcagagat taaggccaag aagaacaaag 300

ctgtatgtga tggcttctgt gtttgtctgt ctactccttt ctggattggc 350

tgtgtttttc cttttccctc gctctatcga cgtgaaatac attggtgtaa 400

aatcagccta tgtcagttat gatgttcaga agcgtacaat ttatttaaat 450

atcacaaaca cactaaatat aacaaacaat aactattact ctgtcgaagt 500

tgaaaccgaa cccct 515

<210> 299

<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 168
<223> unknown base

<400> 299
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ttgtggttg ccttcactac cttcctggtc agctgcgtgg actatgacat 400

cctatttgcc aacaagatgg tgaaccacag tcttcaccct actgaacccg 450

tcaaggtcac tctgccagac gccttttttgc c 481

<210> 300
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457
<223> unknown base

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gccccatgg ctgttggcca gattatgaca tttggctccc cagtcatcgg 450

ctgtggnttt atttcggg 468

<210> 301
<211> 466
<212> DNA

<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 168
<223> unknown base

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gcttcacatg tatgctcatc ggggagatct ttgagctcat gcagttcctc 350

ttgtggttg ccttcactac cttcctggtc agctgcgtgg actatgacat 400

cctatttgcc aacaagatgg tgaaccacag tcttcaccct actgaacccg 450

tcaaggtcac tctgccagac gccttttttgc c 481

<210> 300
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457
<223> unknown base

<400> 300
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caaatatgaa tgccncaata cgaaggattg accagttaac caacatttta 400

gccccatgg ctgttggcca gattatgaca tttggctccc cagtcatcgg 450

ctgtggnttt atttcggg 468

<210> 301
<211> 466
<212> DNA

<210> Homo Sapien

<400> 301
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 ttcgggaagg cttaaagatg agccctgatg agggtcaaga ggaactggaa 200

 gaagttcaag ctgaattaaa gaagaaagat gaagaatttc aacgaaccaa 250

 actttaaat ggaccgggag atgttgaaac gggtacaagc ataacagtac 300

 ctcagaaaaa gtggttgcat tttatttcac ccattttttgt tcaagctctt 350

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 tgggcgaacc ccttgc 466

<210> 302
<211> 648
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 15
<223> unknown base

<400> 302
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 ggaaagtcca aaacctcttt aaggaacact gcaagttgag cctctgctgt 150

 tttaataggt aggtgaccrt gcctgagtca gtcttttttga atttcaattt 200

 tctnatcttt aaaatgaggt ttttggtgat ccctcagttt cctttcagct 250

 ntggaanttg gtgggtaagt taccttgaat gtgtatcttt tcttgttaaa 300

 atttaaaaa acaatataga aggaaacaaa tccttttttac tcctattttt 350

 nagaaataac ccctaaacct ggtaatattt tgacgtgttt ttttcaaact 400

 tgtntgtgca ttttttaaag gagcttctgt cgtatatagt tatgccctgc 450

 ttttgtgtgc atgttaagca tttggtatgt tattttaaag tggaatgcct 500

 tgangaatga atcagtcaga cctactgtta acattttgat gtatttcaga 550

 ntgacttaca attttttggt atttgatatt atgtataatt atatcctgca 600

 ttacttagc atattaagga ttttttttata tgtaattttta aagtggaa 643

<210> 303
<211> 444
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83, 103
<223> unknown base

<400> 203
artttttatg tattcatagt ataaaagacc ttcagtaaat aggtaatatt 50

tttgttttat tctagaaaac agctccttga acncagtaag ctggcttttc 100

acncattgcc agtggtaagt gtttactgcc cttgccattt taattatgag 150

gcttaaagatg tttttgacac cgcacatgtg tgttatggct tccttgatat 200

gcttctgaca gctctttggc tggctttttc gcagagttcg ttttgagaag 250

gttatcttg gcattttaac agtgatgtca atacaaggtt atgcaaacct 300

ccgtaatcaa tggagcataa taggagaatt taataatttg cctcaggaag 350

aactttaca gtggatcaaa tacagtacca catcagatgc tgtctttgca 400

ggtgccatgc ctacaatggc aagcatcaag ctgtctacac ttca 444

<210> 204
<211> 427
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41
<223> unknown base

<400> 204
atgaattcct gctttctttt cctcagaact actatattca gtggctaaat 50

ggttc ctga ttcatggttg tggaatctgg nttccctttt ttccaacctt 100

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gcttgtgctgg cctgaaaaag ggaatccgag cccgcatttt agagactttg 200

gctatgttc ttcttcttgc gttacttcatt cttgggatag tgtgggtagc 250

ttcagtacttc attgacaacg atgccgcaag catggaatct ttatatgatc 300

tctggaagtt ctatctaccc tatttatatt cctgtatatc attgatggga 350

tgtttgttac ttctcttgtg tacaccagtt ggcctttctc gtatgttcac 400

agtgatgggt cagttgctag tgaagcc 427

<210> 205
<211> 500
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 14, 19, 27, 54, 65, 126
<223> unknown base

<400> 305
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tttnactctt tttcntggtg gcttagaatt ttctccaaga aaagttaaga 100

aaggtgtgaa gatttcctta caaggnccgt gtacatgaca ctgttaatga 150

ttgnatttgg cttgctgtgg gggcatctct tgnggatcaa acccacgcag 200

agngtcttca tttcnacgtg tctgtccttg tcaagcacac ccctcgtgtc 250

caagttcctc atgggcagtg ctcggggtga caaagaaggc gacattgact 300

acagcaccgt gctcctcggc atgctggtac gcaggacgtg cagctcgggc 350

tcttcatggc cgtcatgccg actctcatac aggcgggcgc cagtgcatct 400

tctagcattg tcgtggaagt tctccgaatc ctggttttga ttggtcagat 450

tcttttttca ctagcggcgg tttttctttt atgtcttgtt ataaagaagt 500

atctcattgg accctattat cggaagctgc acatggaaag caaggggaac 550

aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac 600

<210> 306
<211> 492
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 120, 215
<223> unknown base

<400> 306
aacctatata aaatagtttt tagcagttta tagctgtgac catcaagtca 50

gataatttgg gatgttcaca gagagctctg ggtgattatg acagtgacca 100

cccacatctc ttatttgttn tgcttcattt ctctactagg gagaggaggt 150

catataatat atgctatttt tatgttattt tagataaatc catatcaaca 200

cagcacagga gaacnaatta tacccctgg tagattttgg ggtataaacg 250

tnatgaaatg tttctcagaa agtgacaaat atttcttgat tgtatcttta 300

aantaatgc aaaattgtta tgttactcca taatttattt gtgtgcatta 350

ctataaggtt catctgtatt catattaaat tttttctttt aaaaattggg 400

ttcaatgaat tatctaggat gattgcattg tttgtggcat caagtgttgt 450

ttctccttt ccataccaag catatcctgc ttttggtaca gg 492

<210> 307
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 49, 65, 158, 178, 211, 218, 221, 225

<223> unknown base

<400> 307
ttacttgtga gtatcatcnt gtcctttaat cctgtaccct aaaataagna 50

atacattttt gacanaggct taatgtttta acaaaagagt gtggacattt 100

ttattttaaa atttaggcaa aagtcactat caaatggttg cttatttgtc 150

tcacacancc atatagtttt tcctggangg ttttgttttg ttgttgttga 200

aaagactttg nttacagnta natgnaacct ttttatagaa aaaaaaaatt 250

gttgaaaggt ccagttctca gtaccatgtg agttaatgat actacaacta 300

agttcttttt aaaaagtgat taatgtattt tataaattac cttttcacat 350

atgaaaatc tgtttctact acaatgttat ttttactaat gccttattgt 400

tgcactcttt ttgaaatatc ctgcagtgaa tatatgaatc aatttgggct 450

taaaactgaa agccagttgg ctgaaaggtt tgaaatacgt acccc 495

<210> 308
<211> 478
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 14, 43, 154
<223> unknown base

<400> 308
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gtatttagat aatcaaaacc ccacacaaga cctcaacagc aaatacagat 100

gaaatgtaat tattatttca attaaaaagg gaataatatt tgtaggccat 150

tgttaacaagt attctctcgt tttaactagt tttgctgcat ttaaattaag 200

tactgctctt cagcttttgt gtacagctat aagtgcacat tggaatttat 250

atgtatatat atatagagag agagagagag agagaaaatg actgctggtt 300

aagtgtgtgt ccctcagatc ataccactac gagtgcctca gcctggaaaa 350

gctaaccatg aaattgataa caatacgctt ttggaaatga aatcaggtaa 400

gaatcatata tgtttgaaat tgtttaaaat aacattgtca tatttcttgt 450

gttatctggt tgctggttta tctctttg 478

<210> 309
<211> 469
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 132, 155
<223> unknown base

<400> 309

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ttccagctcg ggtttccggg ctcagaattt tccaggagtg ggttcttggg 100

cagtggctgt ggaacaggaa tggcgcagct anaggttac tgtttctcgc 150

cgccnttgag ctgtaccttt ttagtgtcct gcctcctctt ctccgccttc 200

agccgggcgc tgcgagagcc ctacatggac gagatcttcc acctgcctca 250

ggcccagcgc tactgtgagg gccatttctc cctttccag tgggatccca 300

tgattactac attacctggc ttgtacctgg tgtcagttgg agtggtcaaa 350

cctgccattt ggatctttgg atggtctgaa catgttgtct gctccattgg 400

gatgctcaga tttgttaatc ttctcttcag tgttggcaac ttctatttac 450

tatatttgct tttccacaa 469

<210> 310
<211> 524
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4, 15, 206, 227
<223> unknown base

<400> 310

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ctgggactcc aacctgtctg tgcacacaga aaacccggac ctcactccct 100

gcttccagaa ctccctgctg gcctgggtgc cctgcatcta cctgtgggtc 150

ccagtgccct gctacttgct ctacctgcgg caccattgtc gtggtacatc 200

atcrtntccc accrgtccaa gctcaanaat ggtcctgggt gtcctgctgt 250

agtacgtctc ctgggcggac ctttttact ccttccatgg cctggtccat 300

agccgggccc ctgcccctgt tttctttgtc accccttgg tggtgggggt 350

cacnatgctg ctggccaccc tgctgataca gtatgagcgg ctgcagggcg 400

tacagtcttc ggggtcctc attatcttct ggttcctgtg tgtggtctgc 450

gccatcgtcc cattccgctc caagatcctt ttagccaagg cagagggtga 500

gatctcagac cccttccgcc tcac 524

<210> 311
<211> 501
<212> DNA
<213> Homo Sapien

<400> 311

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gtcatcctct tcacccacaa agaggactta gggggccagg ccctggatga 100

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ctatgtagca aacacggaca actgcagcct gaaagacctg gtgcgggagt 150

gtgagagaag gtactgtgcc ttcaacaact ggggctctgt ggaggagcag 200

aggcagcagc aggcagagct cctggctgtg attgagaggc tggggaggga 250

gcgagaggga tccttccaca gcaatgacct cttcttggat gcccagctgc 300

tccaaagaac tggagctggg gcctgccagg aagactacag gcagtaccag 350

gccaaagtgg aatggcaggt ggagaagcac aagcaagagc tgagggagaa 400

cgacagtaac tgggcataca aggcgctcct cagagtcaaa cacttgatgc 450

ttttgcatta tgagattttt gtttttctat tgttgtgcag catacttttt 500

t 501

<210> 312
<211> 655
<212> DNA
<21.> Homo Sapien

<120>
<221> unsure
<222> 85, 118
<223> unknown base

<400> 312
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gtaaagtga acttggttgg atttggatac tgctntaaaa gttagaaaat 100

tagctcattt gacattntg ctccgtgttt tgccatgttt ggttcctaca 150

taattttgca aagatcaagg aagacttttg aggcatctct ttatctctta 200

ttctattac tatcacccca attcaagtca tcatcattac cctggacttc 250

tgggatagct tcccactgtt cccactcatc tactcttgct cactgccttc 300

ccccaaacc ccctaaaatt cattctccag atagtgacta gagtgaatcg 350

actatatctt ctcttttcct gctctggata taattatat cttttcctgc 400

tctggatata atttatatcc ttcattctcc atttctgtgc ccctgtgtgc 450

caactgctat tgtctgcatt agatggactt ccttatcttc tggcttctat 500

tgaatttggt gaactgggga gggtcaagta ggagatcagt gtgtgggaga 550

agaaagaagt ttgagtattt atcacctagg aaggggact tccaggacac 600

tgtttggcag ggatgctggg cctctactgg aggctagtt ccgactgtgt 650

tgccc 655

<210> 313
<211> 239
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
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<222> 226, 234
<223> unknown base

<400> 313
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gtcataattt atgcttaata acattgatag tagccctttg cgctataact 100

ctacctaaag actcacatca tttggcagag agagagtcgt tgaagtccca 150

ggaattcagg actgggcagg ttaagacctc agacaaggta gtagaggtag 200

acttgtggac aaggctcggg tcccanccgg acgngtggg 239

<210> 314
<211> 175
<212> DNA
<213> Homo Sapien

<400> 314
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taaaaqtct caggttatta cccactctgcc attaaatatt tgtatgcctg 100

catttttaaa aattctgtgc atgtacttta tggagtacat tctatttttg 150

ttttcagata ccccggacgc gtggg 175

<210> 315
<211> 971
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 352, 355, 369, 486, 539
<223> unknown base

<400> 315
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ttgttttttg tttgtttggg tttgttttgt tttggtttgg ttttgaaacg 100

gagtctcgct ctgtcgccca ggctggagtg cagtggcgca atctcggctc 150

actgcaagct ccgcctcccg ggttcacgtc attctcctgc ctcagcctcc 200

cgagtagctg ggactacagg cgtccactac cacgcctgga taattttttg 250

tattttcagt anagacgggg tttcaccgtg ttagccagga tggtcttgat 300

ctcctgacct catgatcccg cctgcctcgg cctcccaaag tgttgggatt 350

acagngcgtg agccaccgng ccgggcacct tcaaggtttt gttaattttg 400

gataatgcta caatccgttg ctgcaaagaa ctcgaaaatg cacacgccaa 450

cataggagtt cttttttatgc ccccaaacat taagtntttc atccaacccc 500

ttaatcgggg cataataaaa gcattcaagg cacactacna caagggagct 550

ttatatgaag gcctgtgagg ctctcaggac caacaaggaa actaccatgc 600

tggactattg gaagtcggtc actacatgca acgttattga ttatgtcagt 650

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acagcctggg agagcattgg tcaggctact accaataact gttgggaaaa 700

tgtttggcca gactgcgtgg agaattttga agggtttgaa ggtgttacag 750

aaaatataaa gaacactgtc agagacataa tgcatatggc acagcaggta 800

agtggagagg gctttgatga cgtgaaggaa ggagatgtgg agtacatttt 850

ggcagaaaag gcagtggaac caaccaacga agacctggat gagatggcaa 900

aacaaggcat tggagttgat ggccatgaaa gtcggcccaa gacttccaga 950

attgtcnctc tcacagcgcc c 971
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<210> 316
<211> 673
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 67, 115, 126, 132, 135, 274
<223> unknown base

<400> 316
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atacatcccc atgtttntgg cacaatcctt ctttgaaaat aatatggaac 100

ttagatanat ttagncatta cgttcntctg gntgnatgac atcattcaag 150

aacttttcaa agcatttgtt cagatcttca gtactggcca gttttcatac 200

agctcggggg ttttaaaact ttgaaatcaa ggacacgacg tctccagtct 250

accccgaga gattagttga aacncagaat atagcgccat cattcgtgaa 300

aggcttctt ttgcgggaca gaggatcaga tgttgagagt ttggacaaac 350

tcatgaaaac caaaaatata cctgaagctc accaagatgc atttaaaact 400

agtttggcgg aaggtttttc tgaaagctca agcactcaca caaaaaacca 450

atgattcct aaggcgaacc cgtctgattc tcttccttct gctgctattc 500

agcatttatg gactcctaaa aaacccattt ttatctgtcc gcttccggac 550

aacaacaggg cttgattctg cagtagatcc tgtccagatg aaaaatgtca 600

cctttgaaca tgttaaaggg gtggaggaag ctaaacaaga attacaggaa 650

gttgttgaat tcttgaaaaa tcc 673
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<210> 317
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 43, 52, 59
<223> unknown base

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<400> 317
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cntccaant gagcagccag gagaaggcta gagcctgtgc ctttcagcta 100

gatagctgga ggaactggtc ctccctcctt aggctgtgct ggcctgagct 150

gggagcctga gagctggggc agttgtctct aaagtggctt ctgggattct 200

ggtaagagcg ttacatcctt actattcaaa gtgccatcca cagacctgct 250

gatgggcagc atgagcatca cctgggagct tgctgcgctg tagaatcttg 300

aggggtctcc atccagatca gctgaatcag agtttgcatt gttaacaaga 350

ttctgcttct cagaagatgc actattatag atactctaac gccaaggtca 400

gctgctggta caagtacctc ctttttcagct acaacatcat cttctggttg 450

gctggagttg tcttccttgg agtcgggctg tgggcatgga gcgaaaaggg 500

tgtgctgtcc gacctcacca aagtgacccg gatgcatgga atcgaccctg 550

tggtgcc 557

<210> 318
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 38, 52, 104
<223> unknown base

<400> 318
ntgcagtcaa cgcagcttcc cgggttcagc ctgggaanat gcgcgaatcg 50

gnaacccag agcccggtgg ttagaccggg gtccgccgct ccccccacag 100

cccnttcct aatcgttcag acggagcctg gtcgacttcg ccggagactg 150

ncagatctcg ttcctcttcc ctgtgtcatc ttcttaatta taaataatgg 200

cggatgaaga taaaagaatt acatatgaag attcagaacc atccacagga 250

atgnattaca cgcctccat gcatcaagaa gcacaggagg agacagttat 300

gaauctcaaa ggtatagatg caaatgaacc aacagaagga agtattcttt 350

tgaaaagcag tgaaaaaaag ctacaagaaa caccaactga agcaaatcac 400

gtacaaagac tgagacaaat gctggcttgc cctccacatg gtttactgga 450

cagggtcata acaaatgtta ccatcattgt tcttctgtgg gctgtagttt 500

ggtaaattac tggcagtgaa tgtcttcctg gaggaaacct atttggaatt 550

ataatcctat tctattgtgc 570

<210> 319
<211> 698
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 57, 82, 87, 148
<223> unknown base

<400> 319
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cctttttnttc cccattggca tacattccca angtttntgc ccaatccttc 100

ttttgaaaat taaatatgga acttagatat atttagtcat tacgttcntc 150

tggcttgtat ggacatcatt caagagcttt tcaaagcatt tgttcagatc 200

ttcagtactt ggccagtttt catacagtct cggggtttta aaactttgaa 250

atcaaggaca cgacgtctcc agtctacctc cgagagatta gctgaaacac 300

agaatatagc gccatcattc gtgaaggggt ttcttttgcg ggacagagga 350

tcagatgttg agagtttgga caaactcatg aaaaccaaaa atatacctga 400

agctcaccaa gatgcattta aaactggttt tgcggaaggt ttttctgaaa 450

gctaagcac tcacacaaaa aaccaatgat tccctaaggc gaacccgtct 500

gattctcttc gttctgctgc tattcggcat ttatggactt ctaaaaaacc 550

catttttatc tgtccgcttc cggacaacaa cagggcttga ttctgcagta 600

gattctgtcc agatgaaaaa tgtcaccttt gaacatgtta aaggggtgga 650

ggaagctaaa caagaattac aggaagttgt tgaattcttg aaaaatcc 698

<210> 320
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4
<223> unknown base

<400> 320
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tgagaaatgc tacgaccaac ttttcgttca gtgggacttg cttcacgtcc 100

cctgcctcaa gattctcctc agcaaaggcc tggggctggg cattgtggct 150

ggctcacttc tagtaaagct gccccaggtg tttaaaatcc tgggagccaa 200

gagtgctgaa gggttgagtc tccagtctgt aatgctggag ctagtggcat 250

tgactgggac catggtctac agcatcacta acaacttccc attcagctct 300

tggggtgaag ccttattcct gatgctccag acgatcacca tctgcttcct 350

ggtcatgcac tacagaggac agactgtgaa aggtgtcgct ttcctcgctt 400

gctacggcct ggtcctgctg gtgcttctct cacctctgac gcc 443

<210> 321
<211> 477
<212> DNA
<213> Homo Sapien

<400> 321
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cagttttcag cagacgcaac tatcatggac attcaggtcc cgacacgagc 100

cccagatgca gtctacacag aactccagcc cacctctcca accccaacct 150

ggcctgttga tgaaacacca caaccccaga cccagaccca gcaactggaa 200

ggaacgaatg ggcctctagt gacagatcca gagacacaca agagcaccaa 250

agcagctcat cccactgatg acaccacgac gctctctgag agaccatccc 300

caagcaaaga cgtccagaca gacccccaga ccctcaagcc atctggtttt 350

catgaggatg accccttctt ctatgatgaa cacaccctcc ggaaacgggg 400

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gtgtggacgc gtgggcggac gcgtggg 477

<210> 322
<211> 505
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 75
<223> unknown base

<400> 322
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gaccccagag cccagcaggg ctttntgtca gacatgtagg gtggtagaaa 100

tggccc tcc aggtccccct gcagtgcact gggcagagac ctccggaaag 150

ccgccatgg gagcgcttcc tgggcagctt cccccagcac agtgttccca 200

aacagtcca tccggaaaac agtctgtaca gcaaatgctg tgtgagatct 250

tagtctttc actttttttt gttttgtttt gtttttgaaa gaaagaaaaa 300

aatacaatta acaagcctct tttgtaaatg ggtttccttt ctatgtataa 350

aatgtggtg gtcccttgtt tttacatgtt catgctgtgt aattttgaga 400

rgttacggag atatgttctg aacataatgt gcattttttt ctgtacagat 450

gaaatgggag aatttaataa agagtttgca gcccacgcgt ccgcggacgc 500

gtgag 505

<210> 323
<211> 632
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 75, 80, 107, 117
<223> unknown base

<400> 323
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ttcttccatt gttccaaggt gtggnaattn caatggtcct gatctccatt 100

ttgtgncaa tctattncaa tgtcataatt gcctatagtc tttactacat 150

gtttgcttct tttcaaagtg aactaccatg gaaaaattgt tcttcgtggt 200

cagataaaaa ctgtagcaga tcaccaatag taactcactg taatgtgagt 250

acagtgaata aaggaataca agagatcatc caaatgaata aaagctgggt 300

agacatcaac aattttacct gcatcaacgg cagtgaaatt tatcagccag 350

ggcagcttcc cagtgaacaa tattggaata aagtggcgct ccaacggtca 400

agtggaatga atgagactgg agtaattgtt tggtatttag cactttgtct 450

tcttctggct tggctcatag ttggagcagc actatttaaa ggaatcaaat 500

cgtctggcaa ggtggtatat tttacagctc ttttccccta tgtggtccta 550

ctcatcctgt tagtacgagg tgcaactctg gagggtgctt caaaaggcat 600

ttcatactat attggagccc cggacgcgtg gg 632

<210> 324
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 24
<223> unknown base

<400> 324
cggtgggcnt acaccactgc ctgngtcttc accaccgccg ccgtgcagtt 50

ggaattgatc acaccttttc agttgtactt caatcctgaa ttaatcttta 100

aacactttca aatatggaga ttaatcacca acttcttatt ttttgggcca 150

gttggattca attttttatt taacatgatt tttctatatc gttactgtcg 200

aatgctagaa gaaggctctt tccgaggtcg dacagcagac tttgtatttda 250

tgttcctttt tggtggattc ttaatgaccc tttttggtct gtttgtgagc 300

ttagttttct tgggccaggc ctttacaata atgctcgtct atgtgtggag 350

ccgaaggaac ccctatgtcc gcatgaactt cttcggcctt ctcaacttcc 400

aggccccctt tctgccctgg gtgctcatgg gattttcctt gttgttgggg 450

aactcaatca ttgtggacct tttgggtatt gcagttggac cggacgcgtg 500

gg 502

<210> 325
<211> 375
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9
<223> unknown base

<400> 325
tgcaaattnt gagattcaga gactaaagta atttatttat acatagctaa 50

tcagtgccag agctgtgaat ctaagattat cttgctctta atcacaaaaa 100

acacagtta ttagttgttt gcatttgatg caaatgactt ggaacccaca 150

catttacac atttttaatg aatgaaatga ctagtttgat tcattacacg 200

ttgtggaaa ttttgcagct aggttttaaa ttaagaacac cagatttatt 250

taaatacaat ttaaaatcat tgtattccaa atggaagttt tcttctataa 300

gaataccagg ctggatgtgg tggctcacac ttgtaatcct agcactttgt 350

gtggccgagg aagcggacgc gtggg 375

<210> 326
<211> 198
<212> DNA
<213> Homo Sapien

<400> 326
gtcaggattt ttgaagtttt tttttttata gtgagataat ggagttggtc 50

ttagccgctg caggagccct tcttttctgt ggattcatca tctatgacac 100

acaatcactg atgcataaac tgtcacctga agagtacgta ttagctgcca 150

tcagcctcta cttggatatc atcaatctat tcctgccgga cgcgtggg 198

<210> 327
<211> 489
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18
<223> unknown base

<400> 327
caagttaggt gatccagntt ttgtggtctt ttgcaaccct tgtggtcatt 50

gtgcccttga tattaatctt cgtggtgggt cctcgccatg gcagacaaac 100

attcttgtgt acataacaat ctgctctgta atcgggcgt tttcagtctc 150

ctgtgtgaag ggcctgggca ttgctatcaa ggagctgttt gcagggaagc 200

ctgtgctgcg gcatcccctg gcttggattc tgctgctgag cctcatcgtc 250

tgtgtgagca cacagattaa ttacctaaat agggccctgg atatattcaa 300

cacttccatt gtgactccaa tatattatgt attctttaca acatcagttt 350

taacttgttc agctattctt tttaaggagt ggcaagagat gcctgttgac 400

gatgtcattg gtactttgag tggcttcttt acaatcattg tggggatatt 450

cttgttgcat gcctttaaag acgtcagctt tagtctagc 489


<210> 328
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 46
<223> unknown base

<400> 328
aaagtggtcc ttttagggta aagagtttta aagagtttaa tgngtntatg 50

gcaagtttgg gaaaggtaag aaatgggtcc ttttcctcc taatgttttt 100

ggcacttaaa acataaaatt cattatccta ttaaaaaatt aaattcagtt 150

tgctaatcca gaaattgttc ccaaatgaaa acttgtttta agtccacccc 200

ttagtttcct tattttataa ggtctctctt caggaccaa cagggcttaa 250

gagagcctta gttagattaa agggagaccc taccttaa aaccagtttt 300

catttatgca aacaaggaca attaagggaa ccctgacccc acaggctct 350

gagtcttcc aaggccagaa tcgaagaaa attaaaattt gaatgctgaa 400

tattctggct ctactctggc tttttttct ggttccttc caaaatgcac 450

aaatcatacc cttgtctgct ccaattcagt ctccaaacct ggtgcctgtg 500

ttcctggccc ccctagcatc atgctatccc aggagtatca ggaccagaca 550

catccacgg 559


<210> 329
<211> 523
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4, 14, 60, 71, 99
<223> unknown base

<400> 329
ggcnacggcg gccnaagacg gacatgaagc aatatcaagg ttccggcggg 50

gtccccatgn atgtggaacg nagtcgcttt ccctactgc gtggtgtgna 100

cgcccatccc ggtgctcacg tggtttttcc ccatcatcgg ccacatgggc 150

atctgcacat ccacaggagt cattcgggac ttgcgggcc cctactttgt 200

ctcagaggac aacatggcct ttggaaagcc tgccaagtac tgaagttgga 250

cctgctcag gtctatgcta gcgggcccaa cgcatgggac acggctgtgc 300

acgacgcctc tgaggagtac aagcaccgca tgcacaatct ctgctgtgac 350

aactgccact cgcacgtggc attggccctg aatctgatgc gctacaacaa 400

cagcaccaac tggaatatgg tgacgctctg cttcttctgc ctgctctacg 450

ggaagtacgt cagcgttggg gccttcgtga agacctggct gcccttcatc 500

cttctcctgg gcatcatcct cac 523

<210> 330
<211> 365
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83, 124
<223> unknown base

<400> 330
tttgatttaa tgttggttgt gtgtctcctc ctggcaactg gattttgcct 50

gtttagaggt ttgattgctt tggattgccc atntgagctc tgccgattat 100

atangcaatt tcaagagccc tatntaaagg atcctgctgc ttatcctaaa 150

attnagatgc tggcatatat gttctattct gttccttact ttgtgactgc 200

actgtatggc ttagtggttc ctggatgttc ctggatgcct gacatcacat 250

tgatacatgc tggaggtctg gctcaggctc agtttctca cattggtgca 300

tctcttcatg ctagaactgc ttatgtctac agagtccctg aagaagcaaa 350

aatccttttt ttagc 365

<210> 331
<211> 441
<212> DNA
<213> Homo Sapien

<400> 331
gaaaatatct ggaggtactg cacataagga ttccaatttc tattttcaga 50

actttcattt gtaatttatg tacgcatcta acgtctattt acgtgtatac 100

tgagttaggg tgtacaactt ttccctgagg ctgtatctca aaaactttgg 150

aagctgaaga atttgtccaa atctatgttc cttttgttt gtaaatcacc 200

tgatgatggt gatatagctg tggccaacga aatgtcaagg gaagtctgct 250

ggggaaggta gacgtaggat aggagtatgg gaaaaaatta ttcactcaaa 300

agcatgatgc acagaggagc tatgatcttt tcttgttttc ctcactggat 350

gttgtcatgt ctgtatgtac ttcctggaac tgtggcacca tcttacaacc 400

atgaaaggag ctcacatgaa atcatgttga acatagcaga g 441

<210> 332
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45-46, 52, 71, 173, 226, 275
<223> unknown base

<400> 332
acgttggccc ttttccggtt ttttggccaa tttcaagttt ccagnntcca 50

tnatccaagt ttgaagcccc ntggcggatc cttaaaaatc cctgacctga 100

ccagggtcgc caagggtcgc acaaggcctg ggccaggttc ccacagggag 150

gtgaaaaaac tcccattccg ttnaaaagca gtttcctttg ggacccattt 200

ccttttcct ttggccatgg ccgtgncctc caaaggttcc ggtagtttaa 250

tgcaaatgtt ctaccaatag ccccnagaac tccaccaccc tctctctgtc 300

ttgtggctca agtcgagcaa cctgaaagga tatattttt caaataagta 350

attcctgtag gcaataaaaa gatacactat cttctgagtg aaatataaag 400

agttcacagc agctgtctcc ccagtttgca ttttcctctg cacctgatgg 450

gaangacaga taaagataat gggattttt ctttatttt tatttcacct 500

ccctctctcc ctggaagqtg gaaatgtaac aaattggatt gtgagtgtgt 550

ctgtcctttg tgcttggtgc ctggagcagg gcatccggct gccgggcaga 600

gctgctgcga gagaggtcag agctacc 627

<210> 333
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112-113, 151, 175, 183, 196, 211, 215, 223, 241, 247
<223> unknown base

<400> 333
ccaagttgaa gcccatggcg gtccttaaat cctgcctgac cagggtcgcc 50

agggtcgggc aagcaagtgc cagaagaata aagaagatgg acgcaaaaag 100

aagaaaggaa gnnccagaag agacgaagag atgaaacgac agtcagatga 150

natgaggagg aaagaaaggt ttcanaaagc cgncggaaat gaaagncgtc 200

ctggtttgaa ngaanttgcc aanagataaa tccagcagga naggccnaga 250

aagatcgagg tctgcttatc tgctgttacc ttgacacca gagcagctat 300

aggtatctgc cagagctatg aaatcattca gccggatcct cttcctcgtc 350

ttcctcctcg ccggcctgag gtccaagccg ctccctcagc ccctctgcct 400

ttgggctgtg gctttccgga catggcccac ccctctgaga cttcccctct 450

gaaggtgct tctgaaaatt ccaaacgaga tcgccttaac ccagaatttc 500

ctggactcc ttaccctgag ccttccaagc tacctcatac ggtttccctg 550

gaaaccttcc cacttgactt cactgagccc ctcaaccctg acctccgaga 600

aaccccg 607

<210> 334
<211> 417
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24
<223> unknown base

<400> 334
ttcagactca ctgaatcaga accntgggat aggccagcac gctgtgcttt 50

accaagctct aggtgatgcc aattcatact caagtgtgag gctgactggc 100

ttattgaag ggagagaaag gaacaggcac atggcgacat atcagcattt 150

acacaaggcg tgctgggtaa ccataggaac acctttatta cggttaaata 200

gcaaacaggc atcaatgcag agggcccca ggagaatcag gaaggtcgcg 250

actatcactg tctgagggca ctgttgtgaa acgatggccg aaggtgacaa 300

ccagcaaa gtttcaagga agttcactga aacgtggaaa aacccactca 350

atgccctgct ctcatttata ttgagtggct taagtattta ttttcttggt 400

ttttagagg aagggag 417

<210> 335
<211> 521
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 76
<223> unknown base

<400> 335
gaagcttccg ttgccaagcg acatgttcaa ggtaattcan aggtccgtgg 50

ggccagccag cttgagcttg ctcacnttca aagtctatgc agcaccaaaa 100

aaggactcac ctcccaaaaa ttccgtgaag gttgatgagc tttcactcta 150

ctcagttcct gagggtcaat cgaagtatgt ggaggaggca aggagccagc 200

ttgaagaaag catctcacag ctccgacact attgcgagcc atacacaacc 250

tggtgtcagg aaacgtactc ccaaactaag cccaagatgc aaagtttggt 300

ttaatggggg ttagacagct atgactatct ccaaaatgca cctcctggat 350

ttttttccgag acttggtgtt attggttttg ctggccttat tggactcctt 400

ttggctagag gttcaaaaat aaagaagcta gtgtatccgc ctggtttcat 450

gggattagct gcctccctct attatccaca acaagccatc gtgtttgccc 500

aggtcagtgg ggagagatta tatgactggg g 531

<210> 336
<211> 446
<212> DNA
<213> Homo Sapien

<400> 336
ggcggcaaag gcggacggcc gcttaaacgg ctgctcgtgc cgattctttt 50

acctgagaaa tgctacgacc aacttttcgt tcagtgggac ttgcttcacg 100

tcccctgcct caagattctc ctcagcaaag gcctggggct gggcattgtg 150

gctggctaac ttctagtaaa gctgccccag gtgtttaaaa tcctgggagc 200

caagagtgct gaagggttga gtctccagtc tgtaatgctg gagctagtgg 250

catgacggg gaccatggtc tacagcatca ctaacaactt cccattcagc 300

tctggggtg aagccttatt cctgatgctc cagacgatca ccatctgctt 350

cctggtcatg cactacagag gacagactgt gaaaggtgtc gctttcctcg 400

cttgctacgg cctggtcctg ctggtgcttc tctcacctct gacgcc 446

<210> 337
<211> 439
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 15, 67
<223> unknown base

<400> 337
cggaacgcgt gggcgnacgc gtgggcaaga tgtccctgtg gactcccaaa 50

ctctactcca gatgggnagg tgcccttaac accaagattt taaaagctcc 100

aattcagag caagagtcga aaactcacag ataaagttat agttatttca 150

gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200

caaccttggc tcttttcctg gtgtttgttt tcctgggaaa ctccagctgc 250

gctccgcaga gactgttgga gagaaggaac tggactcctc aagctatgct 300

ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350

gaaggacct ctccgaccgg ccactgccgg aaagacgaag cccaaatccc 400

caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450

gaaatcacca gaagatgaag aaaaaaactt tgatcaaac 489

<210> 338

<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3
<223> unknown base

<400> 338
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ttcttagtc tgtaatggtg tccaaaattg tgcataccct tgggatgaaa 100

atcattgtaa agaaaagaaa aaagcaggag tatttgaaca aatcactaag 150

actcatggaa caattattgg cattacttca gggattgtct tggtccttct 200

cattattctt attttagtac aagtgaaaca gcctcgaaaa aaggtcatgg 250

cttgcaaaac cgcttttaat aaaaccgggt tccaagaagt gtttgatcct 300

ccncattatg aactgttttc actaagggac aaagagattt ctgcagacct 350

gggngactg tcggaagaat tggacaacta ccagaagatg cggcgctcct 400

cca cgcct ccgctgcatc cacgaccacc actgtgggtc gcaggcctcc 450

ag 452

<210> 339
<211> 354
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27
<223> unknown base

<400> 339
aaataaagaa ccatggtatc atgttgntca gtgcttcaga cagaaagatt 50

gttgaagat caaggagagt ttttgttatg tggcaatgaa ctacgaagag 100

gaaatggca agaaacccga ttgtctagag aaagtttacc aactacctga 150

tgggaaggtc atccagctcc atgaccagct cttttcttgt ccagaggccc 200

ncttctctcc gtgtcatatg aaccttgagg cccctggcat tgataagata 250

tgcttcagca gcataatgaa atgtgataca ggcctgagga attccttctt 300

ttcaatatt atccttgccg ggggatcaac ctctttccct ggtttagaca 350

agct 354

<210> 340
<211> 547
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 20, 77, 101, 142, 151
<223> unknown base

<400> 340
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 gaaaagtgta gccttgcagg tggcaantgg tccaggtacc ggtatttggc 100

 nggcccgttt ttgcctcctc ctccgtgggt gcggcgggaa tnttggccgg 150

 ncgcccttgg gacggcccag gtcccggccg caaggtccgg gccaatacat 200

 agtcatcagt agaaacttct tgaagttgtt caagaaaaat ttgaaagtag 250

 caaaatagaa aataaagaat taacagcaga tacagaggca gcatgaagtg 300

 ttgtcttagg aaacagaaca cagcagtgaa aaaacagaca aaatccgctc 350

 agatacaact gcagctgata atgtttttccg gcttcaatgt ctttagagtt 400

 gggatctctt ttgtcataat gtgcatttt tacatgccaa cagtaaactc 450

 tttaccagaa ctgagtcctc agaaatattt tagtacattg caaccaggaa 500

 aagcctcttt agcttatttt tgtcaagctg attccccaag aaatacа 547

<210> 341
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42
<223> unknown base

<400> 341
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 ttgcctcctt tccagaagcc cgttttgttt gttttacgtc taaattcgcg 100

 tcggttctta tttctctccc tggcaaggtc tgaagacggg taggagaata 150

 aactgtgtca gcgtgttatg atgccgtccc gtaccaacct ggctactgga 200

 atcccagta gtaaagtgaa atattcaagg ctctccagca cagacgatgg 250

 ctacattgac cttcagtttta agaaaacccc tcctaagatc ccttataagg 300

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 ataggctccc tcctgctgtc aggc 374

<210> 342
<211> 515
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 342

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cggtacccgg gtcctggccc cagcgctgac gttttctctc ccctttcttc 100

tctcttcgcg ggttgcggcg tcgcagacgc tagtgtgagc ccccatggca 150

gatacgaccc cgaacggccc ccaaggggcg ggcgctgtgc aattcatgat 200

caccaataaa ctggacacgg caatgtggct ttctcgcttg ttcacagttt 250

actgctctgc tctgtttgtt ctgcctcttc ttgggttgca tgaagcagca 300

agcctttacc aacgtgcttt gctggcaaat gctcttacca gtgctctgag 350

gctgcatcaa agattaccac acttccagtt aagcagagta ttcctgtccc 400

aggcttgtt agaggacagc tgccactacc tgttgtattc actcatcttt 450

gtaaattcct atccagttac aatgagtatc ttcccagtct tgttattctc 500

tttgcttcat gctgc 515

<110> 343
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 46, 63, 68, 117, 139, 145, 164, 173, 179, 181, 246
<223> unknown base

<400> 343
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cccctggget gggattncaa gtggcttgat caacccccnt ttggnccagt 150

actaccctta gggnccgtga ccntgacnt ntgcagcatt ttcataccta 200

tgggttggg cgtcttcatt cgctacaaat acagccgggg gctgantaca 250

tgtgaaggt ttcctgtgg tctctgctag tgactctggt ggtccttttc 300

ataatgaccg gcactatgtt aggacctgaa ctgctggcaa gtatccctgc 350

agctgttat gtgatagcaa tttttatgcc tttggcaggc tacgcttcag 400

gttatgattt agctactctc ttccatcttc cacccaactg caagaggact 450

gtatgtttgg aaacaggtag tcagaatgtg cagctctgta cagccattct 500

aaaactggc 509

<110> 344
<211> 375
<212> DNA
<213> Homo Sapien

<400> 344
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attatgtatt ctttacaaca tcagtttttaa cttgttcagc tattctttt 100

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aaggagtggc aagatatgcc tgttgacgat gtcattggta ctttgagtgg 150

cttctttaca atcattgtgg ggatatttct gttgcatgcc tttaaagacg 200

tcagctttag tctagcaagt ctgcctgtgt cttttcgaaa agacgagaaa 250

gcaatgaatg gcaatctctc taatatgtat gaagttctta ataataatga 300

agaaagctta acctgtggaa tcgaacaaca cactgg 336

<210> 345
<211> 380
<212> DNA
<213> Homo Sapien

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ctgatcgtga aagtagaaga agtctcacaa acagccattt ggaaaaaaag 150

aagtgtgatg agtatattcc aggtacaacc tccttaggca tgtctgtttt 200

taacctaagc aacgccatta tgggcagtgg gattttggga ctcgcctttg 250

cccttggcaaa cactggaatc ctactttttc tggtactttt gacttcagtg 300

acaatgctgt ctatatattc aataaacctc ctattgatct gttcaaaaga 350

aacaggctgc atggtgtatg aaaagctggg 380

<210> 346
<211> 364
<212> DNA
<213> Homo Sapien

<400> 346
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atagctttca taacctgttg ggaagaagtt actactttgg tacaggctat 100

caggataact tcctatatga atgaaactat cttatatttt ccttttttcat 150

gccactccag ttatactgtg agatctaaaa aaatattctt atccaagctc 200

attatctgtt ttctcagtac ctggttacca tttgtactac ttcaggtaat 250

cattgtttta cttaaagttc agattccagc atatattgag atgaatattc 300

cctagttata ctttgtcaat agttttctca ttgctacagt gtattggttt 350

aattgtcaca agct 364

<210> 347
<211> 752
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 47, 73, 87, 235, 256
<223> unknown base

<400> 347

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atagtattaa gtctatgggc aantggagcc ttagganaat ttgggggtt 100

tttaatcttt ttcctggtgg gcttagattt ttctccagaa aagttaagaa 150

aggtgtgaag atttccttac aaggcccgtg ttacatgcca ctgttaatga 200

ttgcatttgg cttgctgtgg gggcatttct tgcgnatcaa acccacgcag 250

agggtnttca tttccaaggt gtctgtcctt tgtcaagcac acccctcgtg 300

tccaggttcc tcatgggcag tgctcggggt gacaaagaag gcgacattga 350

ctacagcacc gtgctcctcg gcatgctggt gacgcaggac gtgcagctcg 400

ggctcttcat ggccgtcatg ccgactctca tacaggcggg cgccagtgca 450

tcttctagca ttgtcgtgga agttctccga atcctggttt tgattggtca 500

gattcttttt tcactagcgg cggtttttct tttatgtctt gttataaaga 550

agtatctcat tggaccctat tatcggaagc tgcacatgga aagcaagggg 600

aacaaagaaa tcctgatctt gggaatatct gctttatct tcttaatgtt 650

atcggtcacg gagctgctgg acgtctccat ggagctgggc tgtttcctgg 700

ctggagcgct cgtctcctct caggccccg tggtcaccga ggagatcgcc 750

ac 752
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<210> 348
<211> 342
<212> DNA
<213> Homo Sapien

<400> 348

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aaaaaaaaaa aaaaaaaaaa agaaccactt ctgccttatc attctctctt 50

tattacgaa atgcggagac agaaagtcaa cagagaaaga attgttttcc 100

ccaaggccac acagattgct ccaacacttg acttttcctg ctaggaactc 150

aatccaagag atgggctttc ttttgttctc tgactataaa agggtgtcac 200

cttgtcacca tcttctatca cacaggaccc ctatgggctt ggtttggttt 250

tgttctttca tcattattat ttggaaagtt atatttcctt tactgtcctt 300

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<210> 349
<211> 608
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 46, 101, 110, 132, 271
<223> unknown base

<400> 349
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cccgtgccgc aggttgttgt gcagtttggg gtgttcttct gcaccatcct 200

cctttgctc tgggtgtctg tcttcctcta tggctccttc tactattcct 250

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actgtgattc ctccaccacc tcactctgct ccttccctgt tgccaatgtc 350

ttgctgacta agggtggacg tgatcgggtg ctgatgtatg gacagccgta 400

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atctccactt cttcgcggttc ggtgatgctg cattaccgct cagacctgct 550

ccagatgctg gacacactgg tcttctctag cctcctgcta tttggctttg 600

cagagcag 608

<210> 350
<211> 590
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 55, 87, 117, 189
<223> unknown base

<400> 350
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ttaaagccc attttaaaa cttaaaaact caacncntcc cagattataa 100

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ttctgctttg gggcagctgt ttagttcaga gttatattnc agagaattat 200

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gtatcaagat acgtagaaca cctcagagat ttttcttcag gaacttccac 300

aaactttgaa tccttgtatc tttatttggt attcatacta ctagtagcaa 350

aatacaggtt ttttgttttg ttttgttttg ttttggcttc atagagtatc 400

tcaaattgaa acttttctgc acaaagaata aaattaagga ttttataaac 450

tcaaattggc acctactgaa ttaaaataca taaaatcatt taaatataat 500

tcagcatatg ggaagtaaca ttgcactaat atggaaatca ctgccagaga 550

cagtctattt tcttttaatt tgttactact tagtcacaaa 590

<210> 351
<211> 517

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 65, 78
<223> unknown base

<400> 351
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 atcttgtcat tagcaactgg aatcagcaaa ttaaggccaa gaagaaatta 200

 atggttagta ccaagaaaca tgaagcactt ttccagcttg tagaaagctc 250

 caaccaatct atgactgaga aggagaagcg gaagctcctc aataaactga 300

 caaaatcaac tgaaaagttg gaaaaggaag atgaaaatta ctaccaaaaa 350

 aacatggcgg gttattctac cagactgaaa tgggaaaaca cactagagaa 400

 ctgttaccag agcattctgg agctggagaa ggaaagaatt caacttttat 450

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 ctgaccacat gccacac 517

<210> 352
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 104, 126
<223> unknown base

<400> 352
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 ctcatttggg ttgacattat tcattttaat gaatgaatac atttgtcgca 200

 gaaagtggaa ttctctcatt gttgagagaa aattctcagc ttgagtcaag 250

 aagtttccat atttaccaga accttctagc tttgatgagc ataatcactg 300

 ctaaaataat gtgtcttctg agcagctggg taccagtgcc tgtggcctgt 350

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 cttcgttgac ttgtcttctc tcctctccct cttacccact tcccggagaa 450

 acaggacagc aggcacagcc agtaacaagc tgtggtacgc ctccctggcc 500

 ctggtgacgc tcatcatgta ttccattgcc actggaggct tggttttgat 550

ggcagtgtt 559

<210> 353
<211> 609
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 163
<223> unknown base

<400> 353
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aatagtatca gntagaagt ccaggcttgt ttttctccca aacatgtttt 200

cacaagtgct tccatggtct ccttctcctt ttcttcttcc tcttcctcta 250

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agcccagcag gttgaatgcc tcgaaccact gtgatgagct cttgagctgg 400

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agtagtcaca cgtgtccctg tctggactct ccctaggact cttgaccta 500

cccngcagtg gtttgaaatg gattttatta ggctttcatt acattctcat 550

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<210> 354
<211> 603
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 27, 68, 74, 137
<223> unknown base

<400> 354
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catgatcagt tgtgtctgac aggtaaatct atttgaggcc ttatcacacg 200

ttacttttaa gaactagaaa ggaaaagtca ctgatcttaa gtattatataa 250

tacttcatgt ggtctaatac ttttttacgtt ttgtttttgat tcagatttag 300

ttcggattcc cggtatctgg cagtaggttc tagtgagaac tcagtggatt 350

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tctccaggta cagtaccaat actgtatacc caggtggcaa gttcttctgc 500

tttacattt cgtgttagtg aatgcattta aagttcctga gctccagagc 550

tccagcttct caactcctcc ctttgtacct tctgacctac agctcctctt 600

tcc 603
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&lt;210&gt; 355
&lt;211&gt; 603
&lt;212&gt; DNA
&lt;213&gt; Homo Sapien

&lt;220&gt;
&lt;221&gt; unsure
&lt;222&gt; 72, 101, 115, 122, 135, 161, 192, 204, 252
&lt;223&gt; unknown base

&lt;400&gt; 355
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ncaggcgta atcanagatc cntaagtgtt tagtncaggg catgtgcttt 150

ttaaagtggg natggctatt tacagattgg cctacactgt tntggtggga 200

acnntcagtg accaaggagc agaggtactt gaaacccacc cttgaagcca 250

tntggatgct ccgttcattc aaatctgggg tgttctaacc caaagtaact 300

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aaagaatttg tgggctcaca agtccctaca gagtctcaca ctctcatggc 450

caataagtat acaggatac ccggaattag acaaacacag atgagacatt 500

tattctgta tatgaattta ttttatttat ttatttattt tttgggacag 550

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gctccgcctc ccgggtttac accattctgc ctc 633
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&lt;210&gt; 356
&lt;211&gt; 569
&lt;212&gt; DNA
&lt;213&gt; Homo Sapien

&lt;220&gt;
&lt;221&gt; unsure
&lt;222&gt; 41, 64, 83, 86, 115
&lt;223&gt; unknown base

&lt;400&gt; 356
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caggataact tatcccagca actgggcaac tccaacaact tgtccatgga 350

gaaggaattt ctcaagtcac agatctccag tctactgaag aggcaggaac 400

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agatgtaatc catgtcctaa gatgtggcaa tggtaccaaa atagttgcta 500

ctattttaca acaaatgagg agaaaacctg ggctaacagt agaaaggact 550

gcatagacaa gaactccac 569

<210> 357
<211> 565
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 19, 117, 197
<223> unknown base

<400> 357
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ttcactacca gcgctgccct cattaacctc aatgtcattt ggatggtcac 550

ttcctctcc aatgc 565

<210> 358
<211> 575
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 138, 536
<223> unknown base

<400> 358
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agactgatat acatttacag cctaaggagg cttctttgtg ctgctttgct 300

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cagataagct tacatgtttt tccgcttcat gtaaatggaa tcgtacgctg 400

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<210> 359
<211> 553
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 83, 87, 98, 104, 106, 170
<223> unknown base

<400> 359
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agctccggtc tacagctccc agtgtgagcg acacagaaga caggcaagaa 350

gaataaatgt ctctggtgga acttttgctc tggtggaact gcttttctag 400

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tgc 553

<210> 360
<211> 502
<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 40, 57, 63, 68, 78, 84, 88, 138, 350
<223> unknown base

<400> 360
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<210> 361
<211> 459
<212> DNA
<213> Homo Sapien

<400> 361
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<210> 362
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<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 53, 59, 70, 357

<223> unknown base

<400> 362
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<210> 363
<211> 511
<212> DNA
<213> Homo Sapien

<400> 363
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ctgctgtgat cagcataagg accgccgcat cgctgcccgg tactgggaca 100

tcatggaata ttttgatctg aagagacatg agctgtgtgg agattacatt 150

aaagacatcc tttgccagga gtgctcgccc tacgcagccc acctctacga 400

cgccgaaaac acccagacgc ctctccggaa tctcccgggc ctctgctctg 450

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<211> 407
<212> DNA
<213> Homo Sapien

<400> 364
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tgttggggaa aattatggta aagagtatta tcaagccctc ctacaggaac 250

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caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350

agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaag 400

agcaagc 407

<210> 365
<211> 552
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4, 85, 93, 103, 129
<223> unknown base

<400> 365
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cg 551

<210> 366
<211> 244
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74, 199
<223> unknown base

<400> 366
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<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 100, 146, 251, 352
<223> unknown base

<400> 357
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<210> 358
<211> 636
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 57, 81, 133, 156, 158
<223> unknown base

<400> 358
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<210> 369
<211> 458
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 38, 57, 73, 118
<223> unknown base

<400> 369
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<213> Homo Sapien

<220>
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<222> 5, 20, 47, 88
<223> unknown base

<400> 370
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agatctgaaa cttggaacta atatcaagga tttatgtgct gctctttgga 150

ttctgatgaa gaatccagtg ctcatatgcc tagctctgtc aaaagctaca 200

gaatatttag ttattattgg agcttctgaa tttttgccta tatatttaga 250

aaatcagttt atattaacac ccactgtggc aactacactt gcaggacttg 300

ttttaattcc aggaggtgca cttggccagc ttctgggagg tgtcattgtt 350

tcaacattag aaatgtcttg taaagccctt atgagattta taatggttac 400

atctgtgata tcacttatac tgcttgtgtt tattattttt gtacgctgta 450

atccagtgca atttgctggg atcaatgaag attatgatgg aacagggaag 500

ttgggaaacc tcacggctcc ttgcaatgaa aaatgtag 538

<210> 371
<211> 692
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51, 77, 87, 103, 119, 154, 158, 165, 183, 212, 329, 476
<223> unknown base

<400> 371
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ngccttaaca aagtgggaca ttggccntca aaggggncct catgggaaca 100

tcntgttttg cggggcang cacaatggtc aagggcttcc ctaaccgttt 150

gcanaagnag ttaancagca tgtgtccaa tgnccccgc aggtaaacgt 200

gctgcctgaa anagccagtc cgtgtggacc ggggctccat cctggcctca 250

ttcagggttt ccaaccattg tgggtccacc gctttgagta cgaggaacac 300

gggcctttct tcctctacag aaggtgttnt gaacggcgac aactttggcg 350

tcgtgagatt cttgtgaggc gtctgcctgg aagccggcag caatttttgc 400

ttctttaaag agaaaagaa ggctagggac tcagattcct ggattctgag 450

atccagacca gctcctccca gacctntcca gaagaagcca tgggaacccc 500

tcgtatccag catttgctga tcctcctggt cctaggagcc tccctcctga 550

cctcgggcct agagctgtat tgtcaaaagg gtctgtccat gactgtggaa 600

gcagatccag ccaatatgtt taactggacc atagaggaag tggagacttg 650

tgacaaaggg gcactttgcc aggaaaccat actaataatt aa 692

<210> 372
<211> 399
<212> DNA
<213> Homo Sapien

<400> 372
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ggaaatgtga ttattggttg ttgcggcatt gccctgactg cggagtgcat 150

cttctttgta tctgaccaac acagcctcta cccactgctt gaagccaccg 200

acaacgatga catctatggg gctgcctgga tcggcatatt tgtgggcatc 250

tgcctcttct gcctgtctgt tctaggcatt gtaggcatca tgaagtccag 300

caggaaaatt cttctggcgt atttcattct gatgtttata gtatatgcct 350

ttgaagtggc atcttgtatc acagcagcaa cacaacgaga cttttttcac 399

<210> 373
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 53, 78, 122, 286, 419, 449
<223> unknown base

<400> 373
tttaaggatg ttgccatgna ccatgttttt tcaaatttgc ttttcatttg 50

cgnccgtttt ggagtctttg accgctanga tggttttcgt cgtctgggaa 100

cttcatcaga ctttgaagat tntaaatttg gaagatcagg gtgcactttt 150

gagtgatgat gaaatatttg tagccgccaa attgggaaac atacctgcat 200

ggccttgcgc aaatactttg aggctcacct ggccattaaa ttggaacaag 250

tgaagcagtc acttcagagg actgagggtg gcattnttgt ccacccacaa 300

cccccgtaca aggcatgctc atatactcat gaacagattg tggaaatgat 350

ggaatttttg atagaatatg gcccagcgca gctatattgg gaaccagctg 400

aagttttcct caaactttnt tgtgtgcaac tcttgttgca gcttatttnt 450

attcccttgca attggaagac ctattatgca aggaatgaca ctgtgcgctt 500

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agttggcaga atcagtg 567

<210> 374
<211> 299
<212> DNA
<213> Homo Sapien

<400> 374
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agttgactac ctacctttca ggaaatatat attttttggg tttagctagg 100

ctgacttttct tctagaaatg gaaaagatgg caccctcggt accaaagtgc 150

tgggactctg cactatgctt gtgtgtatgt gtgtgcctct gtcttgctct 200

cttatctccc agcagtgaga cattggacgt gtttgctcat gaagatgcag 250

tatatggctt gtctgtgagc ccagtgaatg acaacatttt tgccagttc 299

<210> 375
<211> 556
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 53, 55, 66, 111, 156, 188, 295, 517, 552
<223> unknown base

<400> 375

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ttntntaggg ctacanacag tcatgggtga ctttctttct gctgtgaaaa 100

ctcccagagt ntctttaggg attttcccta aggtgaccac caggcacacc 150

tcagtntttt tgacccagag cctgaaaact gttttcantg ggttccacca 200

gtcccagcaa aatcctcttt gtatttattt tgctaagtta ttggggtttt 250

gcttacatct catgattgat ataatatcaa agttctatag ccttntcttg 300

cagtatttgg atttgcttga aaccgggaaa actgttccca ttaggcttgt 350

taatgtcaga gtgatactat tatgaatctt tctctccctt tcctcggcct 400

gtttcttctc tctttctcct tcaaacttgc tctgcagcta aggaaggtga 450

gtctactttc cctgaggctt tggggtcaga gtatatgttg tttggagaaa 500

gagggcaatc aggactnttc tgggacccag atgagttctt cactagccct 550

tntgaa 556
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&lt;210&gt; 376
&lt;211&gt; 499
&lt;212&gt; DNA
&lt;213&gt; Homo Sapien

&lt;220&gt;
&lt;221&gt; unsure
&lt;222&gt; 22, 38, 68, 191, 193, 196
&lt;223&gt; unknown base

&lt;400&gt; 376

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aaatgttacc ctatcctcgg anaagggttt gaatcccnct gatgtgtgtg 50

gatccatttt ggtggtgnca atgattctct cgtcctattt tattaacttc 100

atctaccttg caagagcaca aaaaaaccat gctaacttta actttggatg 150

tgcaattaca ttcctccttg ttgcagggac attttttcca nanagntcca 200

atcctggtta atccgaagcc aaagagagtg tttcttcagc atatgactag 250

aacattccat gacttggaag gaaatgcagt taaacgggac tctggaatat 300

ggatcaatgg gtttgattat actggaattt ctcacataac ccctcacatt 350

cctgagatca atgatagtat ccgagctcac tgtgaggaga atgcacctct 400

tgtggtttt ccttggtatc ttccagtgca ctttctgatc aggaaaaact 450

ggtatcttcc tgccccagaa gtttctccaa gaaatcctcc tcatttccg 499
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&lt;210&gt; 377
&lt;211&gt; 612
&lt;212&gt; DNA
&lt;213&gt; Homo Sapien

&lt;220&gt;
&lt;221&gt; unsure
&lt;222&gt; 61, 63, 173, 419, 475
&lt;223&gt; unknown base

<400> 377
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agacttgaaa ctacagaggc catcgatgat gaaggctggt tacactctgg 150

ggatttgggc cagctggacg gtntgggttt cctttatgtc accggccaca 200

tcaagaaat cttatcact gctggtggtg aaaatgtgcc ccccattcct 250

gttcagacct tggttaagaa gaagatcccc atcattagta acgccatgtt 300

agtaggagat aaactgaagt ttctgagcat gttgctgacg ctgaagtgtg 350

agatgaatca gatgagcgga gaacctctgg acaagctgaa cttcgaggcc 400

atcaacttct gtcggggtnt gggcagccag gcatccatcg tgactgagat 450

tgtgaagcag caagaccccc tggtntacaa ggccatccag caaggcatca 500

atgctgtgaa ccaggaagcc atgaacaatg cacagaggat tgaaaagtgg 550

gtcatcttgg agaaggactt ttccatctat ggtggagagc taggtccaat 600

gatgaaactt aa 612

<210> 378
<211> 282
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 194
<223> unknown base

<400> 378
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gtcgaaaaac aaaggcaaga agggctgcca tgtttttttag acgttgctct 100

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aaatcctgat gcgaatgggg taactcgatc atggaagatt attntaagta 200

caatgcttac actgactttt cttcttgtag gactcctaaa tcatcagtgg 250

cttaagaaa cagatgttcc tcagaaatcc ag 282

<210> 379
<211> 680
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 35, 71, 77, 173
<223> unknown base

<400> 379
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ggatttatta atcaaatgtg gttaccattt gggcccttcc ggggggatttt 150

aagtactttt ccatacctag ctnttataca tactattatt ctcatggcag 200

tagcaacttt tggttcaaat atcccaaaac atgctcaaaa gtagaacatt 250

ttgtttcaat attaggaaag tgctttgaat ccccttggac gacaaaagcg 300

ttgtctgaga cagcatgcga agactcagag gaaaacaagc agagaataac 350

aggtgcccag actctaccaa agcatgtttc taccagcagt gatgaaggga 400

gccccagtgc cagtacacca atgatcaata aaactggctt taaattttca 450

gctgagaagc ctgtgattga agttcccagc atgacaatcc tggataaaaa 500

ggatggagag caggccaaag ccctgtttga gaaagtgagg aagttccgtg 550

cccatgtgga agatagtgac ttgatctata aactctatgt ggtccaaaca 600

gttatcaaaa cagccaagtt cattttttatt ctctgctata cagcgaactt 650

tgtcaacgca atcagctttg aacacgtctg 680

<210> 380
<211> 660
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 55, 96, 146, 162
<223> unknown base

<400> 380
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aaattatgac ttttaaattg ttgtaatttt tgtactatta tctganattt 150

ttattttttat gnatttttcgt aagtagttta gagatagtca cattttaaaa 200

atctaagatc aagcaaatga agcttatttt tatgtattca tagtataaaa 250

gccttcagta aataggtaat attttttgttt tattctagaa aacagctcct 300

tgaacacagt gagctggctt ttcacacatt gcagttgtta gtgtttactg 350

cccttgccat tttaattatg aggctaaaga tgtttttgac accgcacatg 400

tgtgttatgg cttccttgat atgctctcga cagctctttg gctggctttt 450

tcgcagagtt cgttttgaga aggttatctt tggcatttta acagtgatgt 500

caatacaagg ttatgcaaac ctccgtaatc aatggagcat aataggagaa 550

tttaataatt tgcctcagga agaactttta cagtggatca aatacagtac 600

cacatcagat gctgtctttg caggtgccat gcctacaatg gcaagcatca 650

agctgtctac 660
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<210> 381
<211> 652
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 35, 118, 136, 183, 281, 349
<223> unknown base

<400> 381
gaataagttg ggatttttna gcaaggattc caatntgatt cttaaaaaag 50

gagttagcca taaagccagt ggttttaatt agattcagat ttgattttta 100

aattttacgg gtttcagntt cagggaatgc tacccncaaa atgagatttc 150

attactatat accagtgaaa tttctactct canattttct gtaatgtcat 200

tttttcatagt taggttttag aaagtatcta atcaggttgt gatggtcaaa 250

taaagggttc aaacacattt ctattttctg nttcaataaa tattttttat 300

attgcttatt cttatctatc tttacctaat ttcttcctat cttttttcgnt 350

aacttttttt tttttttattt tcttctaatg aagattctgc tttcttcatc 400

taaacctgtc ccaaaaacct atgtaccaaa acttggcaag ggtgatgtaa 450

aggataagtt tgaagccatg cagagagcca gggaagaaag aaatcaaagg 500

agatctagag acgaaaaaca aagaagaaaa gaacaatata ttagagagag 550

agaatgaac aggagaaagc aggaggttat tttattttac tttattctcg 600

tgaaaatatt tgtttgcatt ttttcattta aattgtattt attcacatta 650

ac 652

<210> 382
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 345
<223> unknown base

<400> 382
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aggggaggag gacctgttgg tgcacgtcgc cgagggagc aagtcacctt 150

ggcaccatat tgaaaacctt gacctcttct tctctcgagt ttataatctg 200

caccagaaga atggcttcac atgtatgctc atcggggaga tctttgagct 250

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tggactatga catcctattt gccaacaaga tggtgaacca cagtnttcac 350

cctactgaac ccgtcaaggt cactctgcca gacgcctttt tgcctgc 397

<210> 383
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 38, 85, 121, 432
<223> unknown base

<400> 383
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 gaataacgtt ggccttgtgc aaagtcccca aggcntgaca ttagtttgct 100

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 cttcggtaat ctatgaattt ttggatcgtg tcatcaaatg tccattggtt 200

 ccttcttcct ggtgagtgct ctgctgatca acgttctgaa agtgagccca 250

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 ggccccctcc taccttatgg gctataataa atccttgagt gtggtggcaa 350

 ccacaacttt tctgactggg attattcagc taataatggg cgtattgggt 400

 ttgggcttca ttgccactta ccttccggag tntgcaatga gtgcttacct 450

 ggctgctgtg gcacttcata tcatgctgtc ccagctgact ttcatctttg 500

 ggattatgat tagtttccat gccggtccca tctccttctt ctatgacata 550

 attaattact gtgtagctct ccc 573

<210> 384
<211> 581
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 40, 73, 120, 487
<223> unknown base

<400> 384
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 gcaccgtcta catctactcc tacttccact tcgtgttctt cctagcttcc 400

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ctgtatgtga tgatgaccgt caccaactgg ttcaactacg aaagtgccaa 450

catcgagagc ttcttcagcg ggagctggtc catcttntgg gtcaagatgg 500

cctcctgctg gatatgcgtg ctgttgtacc tgtgtacgct ggtcgctccc 550

ctctgctgcc c 561

<210> 385
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 16, 77
<223> unknown base

<400> 385
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gagactaac atcccaaaga tggaagcagc caccaaccaa gaccaagatg 300

ggccgacaac aaacgacatt tcctttggga catctgctgt gacacctgac 350

atactctca gagccacata tcctcgcaca gatttcgcac ttccaaatca 400

ggaagtaaag aaagagaaga aagatccaac aggtcgaaaa acaaacttgg 450

atttttagca atatgtattt attaatcaaa tgtgttacca tctggccctt 500

ccgtggtatt ctaagtactt tccataccta gctcttatac atactattat 550

tcttatggtc ag 562

<210> 386
<211> 265
<212> DNA
<213> Homo Sapien

<400> 386
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tgaatgtttt ggattgggta cacaatgcac ctggaggtgg ccattaattg 150

gcatcactca aactcaaact cagtccatct gatgccagtg ttgagtaaac 200

tcaactacta tgaaatttca cctaatgttt tcagtttcac ttccttttga 250

agtccagatt cctcg 265

<210> 387
<211> 457
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<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 33, 50, 75, 92, 124, 173, 177, 218, 223, 235, 247, 285, 290,
315, 437
<223> unknown base

<400> 337
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gaatttggtg attntcgggt ccctntccgc tttccggccg gncagcgctg 100

ccaaggqtat atttcctttt ttcngatcct gcaacaagcc tctttaaact 150

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tggactggtt cctcatattc attccagttg gaaanttgan actatccttc 300

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cctcganatg gatcacacaa tattaaaaaa aaagcctggt acctcattgc 400

aatgttactt aaattagcct tttgcctcgn actctgnggt aaactggaac 450

agttttac 457

<210> 388
<211> 617
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 55, 80, 83, 107, 161, 181, 198, 203, 219, 233, 259, 272
<223> unknown base

<400> 388
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ccttnaaatt aatcttcggg ggggtcctn gccatggnca gccaaacatt 100

tttgggnaca taccatttgg ttctgtaatc ggggcgtttt cagttcctg 150

tgtaaaggc ntggcattg ctatcaagga nctgtttgca gggaagcntg 200

tgntgcggca tccctggnt tggattctgc tgntgagcct catcgtctgt 250

gtgagcacnc agattaatta cntaaatagg gccctggata tattcaacac 300

tcccattgtg actccaatat attatgattc tttacaacat cagtttttaac 350

ttgttcagct attcttttta aggagtggca agatatgcct gttgacgatg 400

tcattggtac tttgagtggc ttctttacaa tcattgtggg gatattcttg 450

ttgcatgcct ttaaagacgt cagctttagt ctagcaagtc tgcctgtgtc 500

tttcgaaaa gacgagaaag caatgaatgg caatctctct aatatgtatg 550

aagttcttaa taataatgaa gaaagcttaa cctgtggaat cgaacaacac 600

actggtgaaa atgtctc 617

<210> 389
<211> 305
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 44, 50, 96, 107, 180, 185, 211, 289
<223> unknown base

<400> 389
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tgccacttaa ataaacatca ggatcagaga ttccaagagg acaatntgca 100

tcaagttttc accaagtgtt ttttaagcga aataatgaaa tagggagcag 150

aatatgcctg ttgcccatag aaacgaggtn tattnttgtc ctcaattagg 200

cttttttttt nttcatagtt acaccagaac taaagtaaaa gtggtttttc 250

tgtctttct acttctcccc atgaaatggg catatcatnt caacacttca 300

ctccaagtcg ccatgggcaa ccttatgacc ctaggtcctc caccctaat 350

gtatcatcat tgcca 365

<210> 340
<211> 442
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 209, 233
<223> unknown base

<400> 340
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attttcnagg agtgggttct tgggcagtgg ctgtggagca ggaatggcgc 100

agtagaggt tactgtttct cggccgcctt gagctgtacc tttttagtgt 150

cctacctcct tttctccgcc ttcagccggg cgctgcgaga gccctacatg 200

gaaaagatnt tccacctgcc tcaggcgcag cgntactgtg agggccattt 250

ctccctttcc cagtgggatc ccatgattac tacattacct ggcttgtacc 300

tggtgtcagt tggagtggtc aaacctgcca tttggatctt tggatggtct 350

gaaatgttg tctgctccat tgggatgctc agatttgtta atcttctctt 400

cagtgttggc aacttctatt tactatattt gcttttccac aa 442

<210> 391
<211> 537
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74, 103, 117
<223> unknown base

<400> 391
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tintatitta agccttntat catattttcc ccatccaatt gtttggtttc 150

agtggtccag cttttattta caggcatata aaagaaattg tgagatgttt 200

tgcaagcttt tttttacttt gagagcttt aatttgtatg ttttatgtg 250

catgaagagc attttttatg tttttgtgca ataggttcca atatgcattt 300

attagacatc tgtttaaatg gtaatgtagc atttatttttg ctaaattgaa 350

aggcaacata gatggaattc caaaatatgt acattcagct gtttggtttt 400

tcgtttttca ttgttattat tgtgagaatg ctgttattgg ggttgtgtgt 450

aagrgcccgt cagccagtga tgcctcgggc cacgctgtgg ggccacctca 500

atcctgcggg gtcctggtgc cttggacccc acgtgcttgt ggccaggctg 550

tcctggggcg gggccatgtg gcctcagacc acaagag 587

<210> 392
<211> 444
<212> DNA
<213> Homo Sapien

<400> 392
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atcattggtg aaggggtttc ttttgcggga cagaggatca gatgttgaga 100

atttggacaa actcatgaaa accaaaaata tacctgaagc tcaccaagat 150

tcatttaaaa ctggttttgc ggaaggtttt ctgaaagctc aagcactcac 200

acaaaaaacc aatgattccc taaggcgaac ccgtctgatt ctcttcgttc 250

tgatgctatt cggcatttat ggacttctaa aaaacccatt tttatctgtc 300

tgcttccgga caacaacagg gcttgattct gcagtagatc ctgtccagat 350

gaaaaatgtc acctttgaac atgttaaagg ggtggaggaa gctaaacaag 400

aattacagga agttgttgaa ttcttgaaaa atcccgaacc cctt 444

<210> 393
<211> 284
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 95, 109, 186, 244
<223> unknown base

<400> 393
ggtcaagttc agtagtggtc tcaataagtg tgttaaactt gctttgggtg 50

attgcaatca gcatgggatt tggccatttc tatggcccaa ttcanattca 100

gaagcgtcna cagttagtca gaaagataca tgaagatgaa ttgaatgata 150

tgaaggatta tctttcccag tgtcaacagg aacaanaatc ttttatagat 200

tataagtcat tgaaagaaaa tcttgcaagg tgttggacac ctantgaagc 250

agagaagatg tcctttgaaa ctcaggaacc cctt 284

<210> 394
<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 47, 94, 130, 192
<223> unknown base

<400> 394
gcaatgggtg atcataggca ctaaccctca aactcctgaa gttcaanaga 50

ttgtcccatg tcagcctccc aagtagctgg gactatagac aggngccatc 100

atgcccagct aattattttt ttaatttan agaagagtct tgctaggttc 150

cncaggctgg tctcgaactc ctgacctcaa ataatcctcc cnccctcaac 200

mtcngaagta gctgcaatga caggtgcaag cccactgtgt ttggctagag 250

tctcatgttt ttctaattcc aaaaaagttc cataatgatt ttgattcaga 300

ttgtattgag tttacacatt aatttaagaa gtgacatctt cataatacta 350

acttccca aaaacaaaca gggtatgttt ttccatttat atgagtgggg 400

tttttttgt tttgtttta cgttttgtag ttttcttcat ataggttttg 450

cnacaggttc ccaaactttc ttggttcatg g 481

<210> 395
<211> 508
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 69, 473
<223> unknown base

<400> 395
agcatgggaa aggtaggaac cnagggaaag gggcccccg agcgcaaggt 50

gtcggtgccc accttcagnt ggaggagatt caaaagcata acctgcgcac 100

cgacaggtgg ctggtcattg accgcaaggt ttacaacatc accaaatggt 150

ccatccagca ccgggggggc cagcgggtca tcgggcacta cgctggagaa 200

gatgcaacgg atgccttccg cgccttccac cctgacctgg aattcgtggg 250

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```
caagttcttg aaacccctgc tgattggtga actggccccg gaggagccca 300

gccaggacca cggcaagaac tcaaagatca ctgaggactt ccgggccctg 350

aggaagacgg ctgaggacat gaacctgttc aagaccaacc acgtgttctt 400

cctcctcctc ctggcccaca tcatcgccct ggagagcatt gcatggttca 450

ctgtctttta ctttggcaat ggntggattc ctaccctcat cacggccttt 500

gtccttgc 508
```

<210> 396
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 38, 50, 74, 160
<223> unknown base

<400> 396
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attacagact tttgtgataa ggtnaagctt ggggcatcgt cctagaaacg 100

ctggccacaa gtggggttgt gacctcggtg gccttcatgc tcactctccc 150

gntcctcgtn tgcaaggtgc aggactccaa caggcgaaaa atgctgccta 200

ctcagtttct cttcctcctg ggtgtgttgg gcatctttgg cctcaccttc 250

ggcttcatca tcggactgga cgggagcaca gggcccacac gcttcttcct 300

ctttggcatc ctcttttcca tctgcttctc ctgcctgctg gctcatgctg 350

tcagtctgac caagctcgtc cggggggagga agcccctttc cctgttggtg 400

attctgggtc tggccgtggg cttcagccta gtccaggatg ttatcgctat 450

tgaatatatt gtcctgacca tgaataggac caacgtcaat gtcttttctg 500

agctttcgc tcctcgtcg 519
```

<210> 397
<211> 516
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 96
<223> unknown base

<400> 397
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ccctgggtct atgtgcatcc tcttcactat ctactggatg cagtantggt 100

gtggggcttt gcctggaatg gcagcattta catgttcaac tggcacccag 150

tgcttatggt tgctggcatg gtggtattct atggaggtgc gtcactggtg 200
```

taccgcctgc cccagtcgtg ggtggggccc aaactgccct ggaaactcct 250

ccatgcagcg ctgcacctga tggccttcgt cctcactgtt gtggggctgg 300

ttgctgtctt tacgtttcac aaccatggaa ggactgccaa cctctactcc 350

cttcacagct ggctgggcat caccactgtc ttcctcttcg cctgccagtg 400

gttcctgggc tttgctgtct tcctcctgcc ctgggcgtcc atgtggctgg 450

gcagcctcct aaaacctatc cacgtctttt ttggagccgc catcctctct 500

ctgtccatcg catccgtcat ttcggg 526

<110> 399
<111> 773
<112> DNA
<113> Homo Sapien

<400> 399
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ccaggcacca aggacaggga gtcccaggcg cacacccccc attctgggtc 100

cccaggccc agacccccac tctgccacag gttgcatctt gacctggtcc 150

tcctgcagaa gtggccctg tggtcctgct ctgagactcg tccctgggcg 200

cccctgcagc cccttctat gactccatct ggatttggct ggctgtgggg 250

acgcggtccg aggggcggcc tggctctcag cgtggtggca gccagctctc 300

tggccaccat ggcaaatgct gagatctgag gggacaaggc tctacagcct 350

cagccagggg cactcagctg ttgcagggtg tgatggagaa caaactatgt 400

acctacacac cgtcagcgac tgtgacacca gctccatctg tgaggattcc 450

tttcatggca ggagcctgtc caagctgaac ctgtgtgagg atgtccatg 500

tcacaaacgg cgggcaagca tctgctgtac ccagctgggg tccctgtcgg 550

ccctgaagca tgctgtcctg gggctctacc tgctggtctt cctgattctt 600

gtgggcatct tcatcttagc agtgtccagg ccgcgcagct cccctgacga 650

cctgaaggcc ctgactcgca atgtgaaccg gctgaatgag agcttccggg 700

acttgcagct gcggctgctg caggctccgc tgcaagcgga cctgacggag 750

caggtgtgga aggtgcagga cgc 773

<110> 399
<111> 546
<112> DNA
<113> Homo Sapien

<220>
<221> unsure
<222> 20, 74, 80, 159
<223> unknown base

<400> 399

atcctggact tgacccaggn gtccgttgat tggaaccggt ggtcggcaaa 50

acaagtccgc tgggcagcag gagnagcagn aggattatta aataacgcag 100

ttggactctg gcaactggga gtgaagagga gcccaacagc cgagaaggga 150

aggaggcana ggaggggac cagaaggaca cccccgtgcc ccgaagacat 200

aaatccctga gtgcccggga ggagccttaa caagcgtacg gagccctcaa 250

cgtccaaagt tggcttccac agtgcaagcc tttgattccc aatgggggac 300

tcacgatcaa gacgatctac cctggtctcc cggttgccaa tattcagaag 350

aagtattaac agaagacatg attctcttcc ttcttcacct tcttccagta 400

atacagttgg tgtccacagt tcctctcctt ccagcactaa ctcaagctca 450

ggtagcacag gtaaacggag gagcatattc cgtactcctt ccattagctt 500

ccaccataag aagggagtg agcctaagca agagcctacc aaccag 546

<210> 400
<211> 502
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 26
<223> unknown base

<400> 400
cgcttcgctc gcgccccacc gnccctnttcc ggaaggcggc tccctccctg 50

cgcagcgcgg agccctgag atcagcctcg agcaggcgcc cgagcgagac 100

tatccctaaa cgggaacggc ggtggccgac tcgcgagtga ggaaaagaag 150

caaaggacag actggtcgcg aagagaagat ccaggcctca gaggaggaga 200

aaggccggag ccagccgagc tgtcacgacc ggagggggga ctcgcagcct 250

tacpaggggg gtgatgtttt acaggcactt aagtattcat cgaagagtca 300

cccragtagc ggtgatcaca gacatgaaaa gatgcgagac gccggagatc 350

ccttacracc aaataaaatg ttgcggagat ctgatagtcc tgaaaacaaa 400

tacagtaaca gcacaggtca cagtaaggcc aaaaatgttgc atactcacag 450

agttagagag agggatggtg ggaccagtta ctctccacaa gaaaattcac 500

acaaccacag tgctcttcat agttcaaatt cacattcttc taatccaagc 550

aataaccaa gc 562

<210> 401
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 21, 99, 114
<223> unknown base

<400> 401
taagaaccac agaaactgga ntagtggtcc tacagtagct gcagctgata 50

ccactgaaac taatttccct gaaactgcta gcaccacagc aaatacacnt 100

tctttcccaa cagntacttc acctgctccc cccataatta gacacatagt 150

tcctccacaa ttcctacacc tgctcccccc ataattagta cacatagttc 200

ctccacaatt cctataccta ctgctgcaga cagtgagtca accacaaatg 250

taaattcatt agctacctct gacataatca ccgcttcatc tccaaatgat 300

ggattaatca caatggttcc ttctgaaaca caaagtaaca atgaaatgtc 350

ccccaccaca gaagacaatc aatcatcagg gcctcccact ggcaccgctt 400

tatggagac cagcacccta aacagcacag gtcccagcaa tccttgccaa 450

gatcatccct gtgcagataa ttcgttatgt gttaagctgc ataatacaag 500

ttttgcctg tgtttagaag ggtattacta caactc 536

<210> 402
<211> 470
<212> DNA
<213> Homo Sapien

<400> 402
ctacagtatg gaagaatatc cctgacttct agccctgtgc gccttctttt 50

ctttctgctg ttgctactaa tagccttgga gatcatggtt ggtggtcact 100

ctcttgctt caacttcact ataaaatcat tgtccagacc tggacagccc 150

tggtgtgaag cgcaggtctt cttgaataaa aatcttttcc ttcagtacaa 200

cagtgacaac aacatggtca aacctctggg cctcctgggg aagaaggtaa 250

atgtcaccag cacttgggga gaattgaccc aaacgctggg agaagtgggg 300

ngagacctca ggatgctcct ttgtgacatc aaaccccaga taaagaccag 350

tgatccttcc actctgcaag tcgagatgtt ttgtcaacgt gaagcagaac 400

cgtccactgg tgcatcctgg cagttcgcca ccaatggaga gaaatccctc 450

ctctttgacg caatgaacat 470

<210> 403
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 39, 124
<223> unknown base

<400> 403
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tggacgatcg tgaacaaacc ccgacgtgcg ggcccggcgc cccgctccgt 100

tgggcatct tcaccaacga cttntggggc aagggcatgg ccgagaacac 150

cagcacaag tcctaccgcc gctttgcgtc ctcacttca agctaaacat 200

attttgact ggtatgaacc cattctactt tcatgcagta aatataattt 250

tacactgctt agtgactctt gtgctgatgt acacctgtga taaaactgtc 300

ttcaagaatc gtggacttgc ttttgtaacg gcattgcttt ttgctgtaca 350

tcctattcat actgaggcgg tggctgggat cgttggcaga gcggacgtgt 400

tagcgtgtct gctgtttcta ttggcctttc tctcgtacaa caggagtctg 450

catcagggct gtgttggggg aagtttccct tccacggtgt ctcccttctt 500

cttactgct 509
```

<110> 404
<111> 400
<112> DNA
<113> Homo Sapien

<400> 404
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cttatttggt cggtggaata tgttgggatt tatgtttgcc tctgaacaag 50

tgtcttgctc acatcgtaaa tgactttctc tccgaaacgc taaatattct 100

ttcccgcagg agctcatatc cttattttcc atgacagatc ttaacggaca 150

atatatgcaa aagatatata aagatgataa ctaatatagt tatactgagc 200

ctgatcattt gcatttcgtt agctttctgg attatatcaa tgactgcaag 250

cacctattat ggtaacttac gacctatttc tccctggcgt tggctgtttt 300

ttgttgttgt tcctgttctg atcgtctcta atgcccttaa aaagaaaagt 350

ctagatcaca gtggggctct aggagggcta gtccttggat ttatcctaac 400
```

<210> 405
<211> 370
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 36, 118, 138, 163, 179
<223> unknown base

<400> 405
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aatgcccccca agttaaatac ctcctcnacc tttacntaag ttgctccttt 50

attttattt tattattatt attattatta ttattttttg agatggagtc 100

tcactttgta acccaggntg gaatgcaatg gcatgatntc agctcactgc 150

aacctccgcc tcntgggttc aagcaagtnt cctgcctcag cctccgagta 200

gctgggacta caggtgcacg ccaccacgcc tggctaattt tttgtatttt 250
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agtagagacg gggtttcacc gtgttgccca ggctggtcgc gaactcctga 300

gctcaggcaa tccgcccacc tcagcctccc aaagtgttgg gattacaggc 350

atgagccacc atgcccagct 370

<210> 406
<211> 473
<212> DNA
<213> Homo Sapien

<220>
<223> unsure
<222> 74
<223> unknown base

<400> 406
gggtttgaaa atctaaatac tttgaaatta gaataatatc ttgtgtttta 50

gagtttaaa ttttcaaata tntgctgtcc acacacccca ttggaggagg 100

accgtgttca ctaacccaaa tttgtagctg agaaaacaga ggcagagaga 150

ggttaagtaa aaaacccccaa gagagtttac ctaatattgt gaagaaagca 200

aaccaaggt ttcactaact tgtccatgtg tgtatgtgtg tggctgcgtt 250

caccctgtg tgtgtgtgta ctgtgtgcat gcctgtgtgt ttgtgcacac 300

ccatgtgtat gtacctgcat acacacccaa gtgtgtgtgt taccacaacg 350

aaaacgcaga tttattgaaa agaaagtgca ctccacagag tgggagcagg 400

ctagagccag tggctcagga gcctggttac agcattttct ggagtttaag 450

tgcctccag agttttccca ttg 473

<210> 407
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 51, 98
<223> unknown base

<400> 407
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ngaggcctcg gccatcactt cctacgagaa gtttcttaac ccccgagnag 100

ccttccac tcctgggacc ttcctcgcgg ggggcacct gcccgagcaa 150

ggagccggc tgcctggaca tcaagcgact tcgggtgcca gctgtcctcc 200

tgccatcgca ccgaccgct ccaccgcttc cacaccaaca ggtggaacct 250

aacttcttgt ggaacaagtg ttgccagctc agaaggcagt gaggagctgt 300

tttcatctgt gtctgttgga gatcaagatg attgctattc cctgttagat 350

gatcaggact tcacttcttt tgatttattt cctgagggga gtgtctgcag 400

tgatgtctct tcttctatta gcacttactg ggattggtca gatagcgagt 450

ttgaatggca gttaccaggc agtgacattg ccagtgggag tgatgtactt 500

tctgatgtca tacccagtat tccaagttca ccttgcctg 539

<210> 408
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 55, 93, 146
<223> unknown base

<400> 408
tcaaaaaggt tgcattcntt ttgcataaac agggacttta tatagttaac 50

tcccnttata tauattctcc tatagtaatc tcaaagagta ttntagactt 100

ctcaatgctt tttattgttg ctgaaaagca aaaagacttg ctgtgnaagt 150

ggagaagact tcaacatcaa agtgattttt tctactctcc taggaatgaa 200

agnnacacaa aggggaccggg aagcatttct tgtccagatt gtgtcaaaat 250

ctcaattgcc atctgagaat agagaaggta aagtgctgtg gactggctgg 300

ttctgctgtg tatttggaga cagtcttctg gagactgttt cagaagattt 350

caattgtctg cccttattcc ttgcaaatgg agcagagtct aacacagcaa 400

taattggaac ttggtttcag aaaacctttg actgttattt cagtccttta 450

ggaatcaatg catttaatct ttcctggatg gctgccatgt ggactgcatg 500

caaaatggac cattatgtgg ctactactga atttctttgg tctgt 545

<210> 409
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 77, 118, 121, 203
<223> unknown base

<400> 409
gacatttatt tttcatccat tgcaacccat tgccataaga acatncccat 50

ggccttgaag cgcttcacag cagcatngtg gaatgcagaa ttggagccaa 100

gcaattttca aagcaagntt nctgaaaatg aaaaaaaata cttatattga 150

aaaacttttt gagcgttatg gtgaaaatgg aagattatcc tttttttggtt 200

tgnagaaact tttaacaaac ttgggccttg gagagagaaa agtagttgag 250

attaatcatg aggatcttgg ccacgatcat gtttctcatt tagatatttt 300

ggcagttcaa gagggaaagc attttcactc acataaccac cagcattccc 350

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ataatcattt aaattcagaa aatcaaactg tgaccagtgt atccacaaaa 400

agaaaccata aatgtgatcc agagaaagag acagttgaag tgtctgtaaa 450

atctgatgat aaacatatgc atgaccataa tcaccgccta cgtcatcacc 500

atcgtttgca tcatcatctt gatcataaca acactcacca ttttcataat 550

gattccatta ctcccagtga gcgtggagcg gccgc 585
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<210> 410
<211> 446
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 56, 67, 221, 289, 446
<223> unknown base

<400> 410
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taactattcc caggtttaat gttgattatt tatatttgaa aaaanttgat 50

ttgtannaac tgggtanatt actttcaaat taatcattta ttcctaattg 100

acaagggatg agtgagatgt ttatttagaa aacaaataat tttagatagg 150

aaaattgaat ctttaaaaaa taatggtgat ttaatatatc aatgtgtggt 200

ttttgtgtgt atgtgtgtaa nattggagca tccaggagtg tgcggtgtgt 250

atatgatctt atttttctac tgtatcttag aggttgccnc ttccatgggt 300

ataaaactta attggatttc tcgattttta ttttgtttat gcacttttac 350

aacttatgtc attttaggtt gtttattaat gccagttttg tataataaaa 400

ttattagaga agttatgaag gaggatggca tgagtggggc ggccgn 446
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<210> 411
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 67, 95
<223> unknown base

<400> 411
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acgcagagcg ttttcatttt ccacgggtct gtccttgtca aagcacaccc 50

ctggtgtcc aggttcntca tgggcaagtg ctcggggtga caaanaaggc 100

gacattgact acagcaccgt gctcctcggc atgctggtga cgcaggacgt 150

gcagctcggg ctttttcatgg ctgtcatgcc gactctcata caggcgggca 200

ccagtgcatc ttctagcatt gtcgtggaag ttctccgaat cctggttttg 250

attggtcaga ttcttttttc actagcggcg gttttttcttt tatgtcttgt 300

tataaagaag tatctcattg gaccctatta tcggaagctg cacatggaaa 350
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gcaaggggaa caaagaaatc ctgatcttgg gaatatctgc ctttatcttc 400

ttaatgttaa cggtcacgga gctgctggac gtctccatgg agctgggctg 450

tttcctggct ggagcgctcg tctcctctca gggccccgtg gtcaccgagg 500

agatcgccac ctccatcgaa ccccc 525

<210> 412
<211> 457
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 37, 114, 213
<223> unknown base

<400> 412
cagtttttt atagtgaata ccaaaancat cagcaancac tggactgtca 50

accaaggct tattgatatt tgcggagttg attttgcga ttaagagacg 100

ttggctcgcc ttcntcgtga tcattgtgag cctgggctat ggcattgtga 150

agcctgttt aggaacagtc atgcaccggg tgatcggact ggggcttcta 200

tacttaatct ttncagctgt tgaaggcgtg atgagagtca ttgggggttc 250

taaccattta gctgttgttc ttgatgacat tattttagca gttattgact 300

tcattttgt gtggttcatt tttattagtt tggcacaaac tatgaagacc 350

ttaggctaa gaaagaacac tgtgaaattt tcattatata gacattttaa 400

aaatattctg atctttgctg tgctggcttc tatagtgttt atggggtggg 450

cggtcgc 457

<210> 413
<211> 541
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51, 54, 80
<223> unknown base

<400> 413
acgtggtctg cctgttattg gaaagatata ttaagatcca gttctggatt 50

ncanctgttt attttttgg gaaatgcttn aaaaagcagt tttttatag 100

tgaataccaa aacatcagca acactggact gtcaacccaa ggcttattga 150

tattttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 200

gtgatcattg tgaccctggg ctatggcatt gtgaagcctc gtttaggaac 250

agtcatgcac cgggtgatcg gactggggct tctatactta atctttgcag 300

ctgttgaagg cgtgatgaga gtcattgggg gttctaacca tttagctgtt 350

gttcttgatg acattatttt agcagttatt gactccattt ttgtgtggtt 400

catttttatt agtttggcac aaactatgaa gaccctaagg ctaagaaaga 450

acactgtgaa attttcatta tatagacatt ttaaaaatac tctgatcttt 500

gctgtgctgg cttctatagt gtttatgggg tgggcggccg c 541

<210> 414
<211> 52.
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 172
<223> unknown base

<400> 414
arcggccngt gagccggccn tgcgccggca ggtcgcggga catactgtgg 50

cgcgtttgg gctggaggat agttgcaagt attgtttggt cagtgctatt 100

tttaccccatc tgcaccacag tatttataat tttcagcagg attgatttgt 150

ttcatccat acagtggctg tntgattctt tcagtgacct gtatagttcc 200

tatgtaatct tttacttcct gctgctgtca gtggtaataa taataataag 250

tattttcat gtggagttct atgcagttgt gccttctatt cctgctcca 300

gactagctct gatagggaag atcattcatc ctcagcaact catgcactca 350

tttattcatg ctgcaatggg aatggtgatg gcctggtgtg ctgcagtgat 400

aacccaggc cagtacagct ttcttgtggt tccctgcact ggtactaaca 450

gctttggtag cctgctgcg caaacctgct taaatgaata tcatcttttt 500

ttcctactga ctggagcggc cgc 523

<210> 415
<211> 544
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 30, 40, 117
<223> unknown base

<400> 415
gnccacactg gccaaacggg gcatcatggn cacactgccn aaataggggcc 50

gccatgttgc agcaggatag taatgatgac cctgaagatg tttcactgtt 100

tgatgcggaa gaggagncga ctaatagacc aaaaaagcca aaatcagaca 150

tccagtagca tcgttttttcc actttattct ttcgagtcag tgcaatcatc 200

gtctatcttc tctgtgagtt gctcagcagc agctttatta cctgtatggt 250

gacaattatc ttgttgttgt cgtgtgactt ttgggcagtg aagaatgtca 300

```
caggtagact aatggttggc ctacgttggt ggaatcacat tgatgaagat 350

ggaaagagcc attgggtgtt tgaatctaga aaggagtcct ctcaagagaa 400

taaaactgtg tcagaggctg aatcaagaat cttttggttg ggacttattg 450

cctgtccagt actgtgggtg atatttgctt ttagtgcact cttctccttc 500

agagtaaagt ggttggcggt ggttatcatg ggtgtggcgg ccgc 544
```

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<210> 416
<211> 473
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 46, 62, 69, 142, 185, 252
<223> unknown base

<400> 416
 cagcagtcct tatgattatg gaggaaagtg gaggnccctt atagcnaaac 50

 aggtatgctg gntatgacnt attcgcagca aaggcagatt tgtcccctcc 100

 agacatgatg cagccacaac agccatacac cgggcagatt tnccagccaa 150

 ctcaggcata tactccagct tcacctcagc ctttntatgg aaacaacttt 200

 gagtatgagc cacctttatt agaagagtta ggtatccaat tttgaccaca 250

 tntagcaaaa aacactaaca gtattacatc cgttaaaagt agcagatggc 300

 agcatcatga atgaaactga tttggcaggt ccaatggttt tttgccttgc 350

 ttttggagcc acattgctac tggctggcaa aatccagttt ggctatgtat 400

 acgggatcag tgcaattgga tgtctaggaa tgttttgttt attaaactta 450

 atgagtatga caggtgcggc cgc 473
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<210> 417
<211> 417
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 53, 80, 96, 110, 130, 227
<223> unknown base

<400> 417
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 tgnagaggaa gacctgaagg ttcagcatan tagctacaag acagangggc 100

 ccggctgttn aaggaccagc tctccctggn aaatgtgcac tttcagatca 150

 caagatgtga aattgcagga tgcagggtg taccgctgca tgatcaagct 200

 atggtggtgc cgactacaag cgaattnctg tgaaagtcaa tgccccatac 250

 aacaaaatca accaaagaat tttggttgtg gatccagtca cctctgaaca 300
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tgaactgaca tgtcaggctg agggttaccc caaggccgaa gtcatctgga 350

caagcagtga ccatcaagtc ctgagtggta agaccaccac caccaattcc 400

aagggagagg cggccgc 417

<210> 418
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64, 67, 70, 78, 109, 152
<223> unknown base

<400> 418
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ctgcctgcta accntcntgn gtccgggntg gcaagagtgt gggacttttcc 100

ccctggcgnc cgtggacaac atgatggtca gaaaaggggga cacggcgggt 150

antnaggtgt tatttgaaag atggagcttc aaagggtgcc tggctgaacc 200

ggtcaagtat tatttttgcg ggaggtgata agtggtcagt ggatcctcga 250

ggttcaattt caacattgaa taaaagggac tacagcctcc agatacagaa 300

tgtagatgtg acagatgatg gcccatacac gtgttctgtt cagactcaac 350

atacaccag aacaatgcag gtgcatctaa ctgtgcaagt tcctcctaag 400

atatatgaca tctaaatga tatgaccgtc aatgaaggaa ccaacgtcac 450

tcttacttgt ttggccactg ggaaaccaga gccttccatt tcttggcgac 500

acatctcccc atcagcaaaa ccatttgaaa atggacaata tttggacatt 550

tatggaatta caagggacca ggctggggcg gccgc 585

<210> 419
<211> 575
<212> DNA
<213> Homo Sapien

<400> 419
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cccatcaaag ggaatgaact tcacatgaag acttataacc ctgccttctc 100

ccgggttgga aatctggttc cggttttttct ttgtggtgct caccttcatc 150

gtcacttgcc tgtttgcgca ttccctccgg aaattttcca tgagagactg 200

gggcatcgag cagaagtgga tgtctgttct cctgcctctg ctgctacttt 250

acaatgatcc gttcttcccc ctctccttc tggtcaacag ctggctccca 300

gggatgctgg atgacctctt tcagtccatg ttcctctgcg ccctgctgct 350

cttctggctg tgcgtgtacc acgggattcg tgtccaggga gaaagaaagt 400

gtttaacttt ctatttgcct aaattcttca ttgttggact attgtggttg 450

gcttctgtta cgctaggaat atggcaaaca gttaacgaat tacatgatcc 500

aatgtaccag tatcgagttg ataccggaaa ttttcaggga atgaaggtct 550

tcttcatggt gggggcagcg gccgc 575

<210> 420
<211> 572
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 420
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ttgattcag atatattttg aattgaaacc agagatgttn tagagtttag 100

atrctttcat ttgattaagg tatggtctga atatgcgttg cttggcagct 150

cgggtcaact ataagacttt gattattatc tgcgcactct tcactttggt 200

cacagtactt ttgtggaata agtgttccag tgacaaagca atccagtttc 250

cacggcgttc gagtagtggc ttcagagtgg atgggtttga aaaaagagca 300

gcagcatctg agagtaacaa ctatatgaac cacgtggcca aacaacagtc 350

tgaggaagca ttccctcagg aacagcagaa agcaccccct gttgttgggg 400

gcttcaatag caatgtggga agtaaggtgt tagggctcaa atatgaagaa 450

attgactgtc tcataaatga tgaacacaca attaaaggga gacgagaggg 500

gaacgaagtc tttcttccat tcacttgggt tgagaaatat tttgatgttt 550

atggaaaggt ggtggcggcc gc 572

<210> 421
<211> 581
<212> DNA
<213> Homo Sapien

<400> 421
aggctcccgt gtctgctcgc cctccgacgc tgctcaggaa tttgacaaga 50

aactgaagtt ttgattcaga tatattttga attgaaacca gagatgttct 100

agagtttaga ttctttcatt tgattaaggt atggtctgaa tatgcgttgc 150

ttggcagctc gggtcaacta taaggctttg attattatct gcgcactctt 200

cactttggtc acagtacttt tgtggaataa gtgttccagt gacaaagcaa 250

tccagtttcc acggcgttcg agtagtggct tcagagtgga tgggtttgaa 300

aaaagagcag cagcatctga gagtaacaac tatatgaacc acgtggccaa 350

acaacagtct gaggaagcat tccctcagga acagcagaaa gcaccccctg 400

ttgttggggg cttcaatagc aatgtgggaa gtaaggtgtt agggctcaaa 450

tatgaagaaa ttgactgtct cataaatgat gaacacacaa ttaaagggag 500

acgagagggg aacgaagtct ttcttccatt cacttgggtt gagaaatatt 550

ttgatgttta tggaaaggtg ggggcggccg c 581

<210> 412
<211> 264
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 36, 139, 173, 224, 246
<223> unknown base

<400> 412
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atcttggaga gttgtcagag tcaagatttt gctgttgtag ccagtgcttt 100

aaaacaattc acaaagactt tctaggagag gaagagagnc tgagggaaga 150

agagatacag aaaaagaaaa tgncaggatt gaacctggaa actcacagaa 200

tctctgactc atgctggaaa tgtntttggg tacctcttgc cttttntgtg 250

ttgggcggcgg ccgc 264

<210> 423
<211> 601
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 36, 78, 88, 207
<223> unknown base

<400> 423
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tcattttcct taagagccat tccaagtntc ttcctttntc gataccccaa 100

ccagctcaca tcccactcaa ggggtgagat gccctcctca ccattgaaga 150

gatcaagccc ccagggggga accagctcaa cttccccctc tgtctctccg 200

aagagntcc tgtttgaaaa ctcgaggcag ctgtaccccg tgcgaagttc 250

ttgctcccgt ctccccatgt cttccaggat tttccttcat agtggggatt 300

actggctaac ctttccttcc tcacctactt ccccttttcc ttcagctttc 350

accgtgttta aatcttctaa taattctttt tatgacatct tgttttcaa 400

gctcttctcc agtgatccct ccacttctcc aatggccctt ttcactaaac 450

ctccaaattt gtcttgctg acatttattg agctgctatt acatgttcta 500

aatgctttac ttgtcgtatt taatcctaac aacaacctac aaggtaggcc 550

ttgctattat ctccatttta tagttgaaga aactgaggct gccgcggccg 600

c 601

<210> 424
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68, 71, 78, 104, 106, 194, 237, 309, 319, 416, 462
<223> unknown base

<400> 424
natcggcaca ttggcaaaga caacattcag gcccaatggc ccacaaattg 50

gtccgcccaa tgccattntg naaaaggntt cactgcaaat tacaaaagca 100

tccntnatga aaagagattg gaaaggcctc tccaagcaac tggactggga 150

tgttcgaagc attcagcgct ggttcgcaaa gacgcaatca gganaagccc 200

aagcacggct gacgaggttc tgtgagagca tgtgganatt ttcattttac 250

cttnatgtat ttacctacgg agtcagattc ctgaaaaaga cccctggtt 300

gtggaatang aggcattgnt ggtacaacta cccctatcag ccactcacaa 350

cngacsttca ctactattac atcctggagc tgtcgtttta ttggtctttg 400

atgtttctc agttcnctga tatcaaaaga aaggactttg gcattatgtt 450

cctgcactac cntgtatcta ttttcttgat tacctttca tatgtcaaca 500

atatggcccg agtaggaacg ctggtccttt gtcttcatga ttcagctgat 550

gtcttctgg aggctgcggc cgc 573

<210> 425
<211> 672
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 13, 110
<223> unknown base

<400> 425
attttttgaa attaatgcnt gagctttatt ttgtttaatt gttatgccca 50

ctggattggg acaagcatca cctctgaatt ttgaagacct taatgtgtgt 100

tagccattgn aaagctactc aagtgctgtg caagagtcat acccacatcc 150

cttttgatcaa atttactaca cgagctgcac tgacattcta aactggttta 200

aatgcacgcg gcacagagtc agctatcgga cagcctatcg acatgggag 250

aagactatga caggcgcaag tctcagtgtt gtcctggatt ttatgaaagc 300

ggggaaatgt gtgtcccca ctgtgctgat aaatgtgtcc atggtcgctg 350

tattgctcca aacacctgtc agtgtgagcc tggctgggga gggaccaact 400

gctccagtgc ctgcgatggt gatcactggg tccccactg caccagccgg 450

tgccagtgca aaaatggggc tctgtgcaac cccatcaccg gggcttgcca 500

ctgtgctgcg ggcttccggg gctggcgctg cgaggaccgc tgtgagcagg 550

gcacctatgg taacgactgt catcagagat gccaatgcca gaatggagcc 600

acctgcgacc acatcacggg gctggcggcc gc 632

<210> 426
<211> 251
<212> DNA
<213> Homo Sapien

<400> 426
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tggctcatc cttattttcc tgggatctca ggacctctgt ccctctcatt 100

tctcacttct gagatctgca catcttttac ccaggagcct cagagctcct 150

cagtctggtg tctgcctatc cccatcttca ctgttagtcc tcctgcagat 200

tctctgtctc ctttcatgta ggtgctggat ccctgtgtgt ggagcggccg 250

c 251

<210> 427
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 99, 150
<223> unknown base

<400> 427
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aaccncaat gtacattaat aacaaaagtt cacaacgggc aaaggaccnt 100

cacatgtgca aggaaaatgt gcggagatta ttgggctcac cttgggtacn 150

tgaactacac tcagtataca gtgatagtgg gattgaaca cctgaagctc 200

cccatcaagg gaatgaactt cacatggaag acttataacc ctgccttctc 250

ccggttggaa atctggttcc ggttttttctt tgtggtgctc accttcatcg 300

tcacttgcct gttttgcgcat tccctccgga aatttttccat gagagactgg 350

ggcatcgagc agaagtggat gtctgttctc ctgcctctgc tgctactttta 400

caatgatccg ttcttccccc tctccttcct ggtcaacagc tggctcccag 450

ggatgctgga tgacctcttt cagtccatgt tcctgtgcgc cctgctgctc 500

ttctggctgt gcgtgtacca cgggattcgt gtccagggag aaagaaagtg 550

tttaactttc tatttgccta aattcttcat tgttggacta ttgtggttgg 600

cggccgc 607

<210> 428
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 119
<223> unknown base

<400> 428
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gccatgccat agtcttgatg tcttgtgccg tgtgattttt gcagataaga 100

tgacttggcc catggcccnc agatcactta ttctggggaa gtgtaggaac 150

agtagttgcc taacccaagt tcttacatga tgtacctttt tcctttctaa 200

aaaataactt aaaaatatga aatatactaa tttgtttcag atattacata 250

caattgggaaa gtggacaagt tcctgtatat gctgtcactt ttcaagaacc 300

tgagaatgat cctcggaatt gctgttactt gtgggctgtt cagtctacac 350

aagatagggta ggtctcatac aaactttgtt ttgttttgtt ttgtttttt 400

gcagacagag tctcgctctg ttgtccaggc tggagtgcag tggcgtgatt 450

tggctcact gcaacctccg cctcccggat tcatgccatt ctctcgctca 500

gcctcccgag tagctgggac tacaggtgcc tgccaccatg cctggctaat 550

ttttatattt tcagtagaga cgggagcggc cgc 583

<210> 429
<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51-52, 54
<223> unknown base

<400> 429
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nnanagctgg cttttcacac atgcagttgt tagtgtttac tgcccttgcc 100

attttaatta tgaggctaaa gatgttttg acaccgcaca tgtgtgttat 150

ggcttccttg atatgctctc gacagctctt tggctggctt tttcgcagag 200

ttcgtttga gaaggttatc tttggcattt taacagtgat gtcaatacaa 250

ggttatgcaa acctccgtaa tcaatggagc ataataggag aatttaataa 300

tttgcctcag gaagaacttt tacagtggat caaatacagt accacatcag 350

atgctgtctt tgcaggtgcc atgcctacaa tggcaagcat caagctgtct 400

acacttcatc ccattgtgaa tcatccacat tacgaagatg cagacttgag 450

ggctgcggcc gc 462

<210> 430
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 6, 35, 64
<223> unknown base

<400> 430
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ggcccaaggg gaanagtggg tgtttggggg gcctttttgc accatcatca 100

catccctgga tacttgtaac caatttgcct gtagtgccat catgactgta 150

atgagtgtgg acaggtactt tgccctcgtc caaccatttc gactgacacg 200

tggagaacaa ggacaagacc atccggatca atttgggcct ttgggcagct 250

tcctttatcc tggcattgcc tgtctgggtc tactcgaagg tcatcaaatt 300

taaagacggt gttgagagtt gtgcttttga tttgacatcc cctgacgatg 350

tacactggta tacactttat ttgacgataa caactttttt tttccctcta 400

cccttgattt tggtgtgcta tattttaatt ttatgctata cttgggagat 450

gtatcaacag aataaggatg ccagatgctg caatcccagt gtaccaaaac 500

agagagtgat gaagttgaca aagatggtgc tggtgctggc ggccgc 546

<210> 431
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 64
<223> unknown base

<400> 431
aggtgtcacc atggcaaagc ttcccttctt gattctctcg agtttgttga 50

agcgtntacg gttncactga cggattcaga agctcatttt acctcagctt 100

tcattgaaac tacctcctat cttgagtctt cactcatttc ccatgaatcc 150

gcagtcactg cactggtgcc ccccggtctg agtcttttga cattttgact 200

gccggattc aagcaacatc accattgacc actgccaca caacgcccat 250

tttaactgag tcttctttgt tctcaactct gacacctcct gacgaccaaa 300

tcagtgctct agacggtcac gtgtctgtcc tggcctcttt ctccaaagcc 350

attccactg agctgaccgt cgtgggccca tcactcacac ccacagaggt 400

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gccactgaac acctccacgg aagtgagcac aaccagcacc ggtgctgcca 450

ctggtggtcc cctcgactcc accctgatgg gtgacgccgc aagtcagagc 500

cccccagaga gtagtgctgc tcctcc 526

<210> 432
<211> 525
<212> DNA
<213> Homo Sapien

<210>
<221> unsure
<222> 17, 93, 107
<223> unknown base

<400> 432
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ctaatcatga tgcatttcaa aagtggactc ggaatttaac tgngttgcaa 100

aacatgncag tgcccgagga tgataacatt agcaatgact ccaatgattt 150

cactgaagta gaaaatggtc agataaatag caagtttatt tctgatcgtg 200

aaagtagaag aagtctcaca aacagccatt tggaaaaaaa gaagtgtgat 250

gagtatattc caggtacaac ctccttaggc atgtctgttt ttaacctaag 300

caaggccatt atgggcagtg ggattttggg actcgccttt gccctggcaa 350

ataatggaat cctacttttt ctggtacttt tgacttcagt gacattgctg 400

tcttatatatt caataaacct cctattgatc tgttcaaaag aaacaggctg 450

catggtgtat gaaaagctgg gggaacaagt ctttggcacc acagggaagt 500

tcgtaatctt tggagccacc tctct 525

<210> 433
<211> 558
<212> DNA
<213> Homo Sapien

<210>
<221> unsure
<222> 23, 111, 130, 146
<223> unknown base

<400> 433
caaacccaat taccaagcag atncttttgg gggattccag ccatcagaca 50

aggaacccat ggcagctgca gggttttttg cattgtgcaa gcttatgctt 100

tcttgcagat ntgagagccg attaacaaan caagagttcc agaccntttt 150

cttttttggt gtatcactag ctgcaggtgc tgtgttcctt agtgtcatct 200

atttgactta tacaggttac attgcaccat ggagtggcag gttttattca 250

ttgtgggata ctgggtatgc aaaaatacac attccaatta ttgcatcagt 300

gtctgagcat caacctacga cttgggtgtc tttcttcttt gatctacata 350

ttcttgtatg taccttccca gcaggccttt ggttctgcat caaaaatatc 400

aacgatgaaa gagtatttgt tgctctatat gcaatcagtg ctgtctactt 450

tgctggagtg atggtgcgac tgatgttgac tttgactcca gtcgtgtgta 500

tgctgtctgc aattgccttt tcaaatgttt ttgagcacta tttgggggct 550

gcggccgc 558

<210> 434
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74
<223> unknown base

<400> 434
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tatttgtgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 150

gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 200

agtcatgtcc gggtgatcgg actggggctt ctatacttaa tctttgcagc 250

tgttgaaggc gtgatgagag tcattggggg ttctaaccat ttagctgttg 300

ttcttgatga cattatttta gcagttattg actccatttt tgtgtggttc 350

attttttatta gtttggcaca aactatgaag acCCtaaggc taagaaagaa 400

catgtgaaa ttttcattat atagacattt taaaaatact ctgatctttg 450

ctgtgttggc ttctatagtg tttatggggc gagcggccgc 490

<210> 435
<211> 536
<212> DNA
<213> Homo Sapien

<400> 435
ggccaaactg gccaaactaa aattttttggt attgcagatg acgctcatat 50

tggcaactta ctaacatcaa aattctttag ttataaggat tttgatactt 100

tattgtatac ctgtgcagcg gagtttgact ttatggaaaa agagactcca 150

ctgagataca caaagacatt attgcttcca gttgttcttg tagtgtttgt 200

tgctattgtt agaaagatta ttagtgatat gtggggtgtc ttagctaaac 250

aacagacaca tgtaagaaaa caccagtttg atcatggaga gctggtttac 300

catgcattgc aattgttagc atatacagcc cttggtattt taattatgag 350

actaaaactc ttcttgacac cacacatgtg tgttatggca tcactgatct 400

gctcaagaca gctatttgga tggctctttt gcaaagtaca tcctggtgct 450

attgtgtttg ctatattagc agcaatgtca atacaaggtt cagcaaatct 500

gcaaacccag tggaatattg taggggaggc ggccgc 536

<210> 436
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 40, 57, 66
<223> unknown base

<400> 436
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ttcaggngct ggtaanccgc ctatgtttgg tgattatgaa gctcagagac 100

ctggcaagaa ataacttttt aatttaccgg tcaaacaatg gtattttacc 150

agcagtgata acaatttaca gtattgggga ttggattacc cacctcttac 200

agctatcat agtctcctat gtgcatatgt ggcaaagttt ataaatccag 250

actggattgc tctccataca tcacggtgga tatgagagtc aggcacataa 300

gctcttcatg cgtacaacag ttttaattgc tgatctgctg atttacatac 350

ctggagtggt tttgtactgt tgttgcttaa aagaaatctc aactaagaaa 400

aagattgcta atgcattatg catcttactg tatccaggcc ttattcttat 450

agartatgga cattttcaat ataattctgt gagtcttggc tttgctttgt 500

gggrtgcggc cgc 513

<210> 437
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 48, 72
<223> unknown base

<400> 437
cartggccaa aaaattcgat gcgaggccca gnaagcacgc tgaaaccntg 50

gcggcggcaa gctgtgcgac tnttttgcgg ccggcctggg caggtgtctt 100

cctcgagagg caggcagggg atcccggaca ctagctttat cgtcatctgg 150

gaaattgtta aaaatgcaaa ttcgcaagtt tgagagccat ggttccaaga 200

aactgcataa gcatacgaaa taagttgcag cctcccgact tataccctgg 250

tacttctagt ctaaaacagg atttgactct actaatccag ccttatacag 300

gatgctgtgt tctttgctcc tttgtgaatg tctgttgctg gtagctggtt 350

atgctcatga tgatgactgg attgacccca cagacatgct taactatgat 400

gct.gcttcag gaacaatgag aaaatctcag gcaaaatatg gtatttcagg 450

ggaaaaggat gtcagtcctg acttgtcatg tgctgatgaa atatcagaat 500

gtt.atcacaa acttgattct ttaacttata agattgatga gtgtgaaaag 550

aaaaagaggg gtgcggccgc 570

<210> 438
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 51
<223> unknown base

<400> 438
 agaaaaagaa gaatcaacgt aaataagata aanggattca aaataaagat 50

ntcttgaaga gaaataagaa tcatttacaa aagcagcaga gaaaaatttt 100

acagatgaag gagccagcta tttaagatgg gcatcaaggt tctccagcag 150

tctaaaagcc aaaaacaaaa agaagaagcc tacctacttt ttgccaaagc 200

agctgacatg ggaaacttga aagctatgga gaaaatggct gacgctttgc 250

tatttggaaa ttttggcgtg caaaatataa cagcagctat ccaattatat 300

gagtccttgg ctaaagaagg atcatgtaaa gccaaaacg cattaggatt 350

tttgtcttct tatggaatag gaatggaata tgatcaagct aaggcactga 400

tatattacac ctttggaagt gctggaggaa acatgatgtc ccagatgatt 450

ttggggtaca gatatttgtc gggaatcaat gttctacaga attgtgaagt 500

tgccctaagt tattacaaga aagtggcaga ttatattgct gacacatttg 550

aaaaaag 557

<210> 439
<211> 330
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 116-117, 135, 196, 261
<223> unknown base

<400> 439
 ttttgttgcc ttgggtgttc tcacactctg caagttttac ttgcagggtt 50

atcgagtttt catgaatgat cctgccatga atcggggcat gacagaagga 100

gtaacgctgt taatcnntgg cagtgcagac tgggntgata gaacatgcag 150

gttgttcatc gggcattctt gctcagtatt atccttttca ttgtcngtag 200

cttctatcct acagtctatg ttagaaattg cagatcctat tgttttggca 250

ctgggagcat ntagagacaa gagcttgtgg aaacacttcc gtgctgtaag 300

cctttgttta tttttattgg tattccctgc 330

<210> 440
<211> 549
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 64, 82, 85, 88, 169
<223> unknown base

<400> 440
accacottgc ccatttattt tggcccttgt taaaccaata actgcntatc 50

cagatatgcc acanttttgc ctgctgtggc ancentcntg gataggtgct 100

cttcttaatc acatggatgt tatataagag ttgggccggc ccagcacaca 150

aggtcagcat gtgctcttnt gtcacgctct cgctatagct gttgtccaga 200

tcgttatctt ctcagaaagc tgggcatttg ccaagaacat caacttctat 250

aatgtgaggc ctcctctcga ccctacacca tttccaaata gcttcaagtg 300

cttracttgt gaaaacgcag gggataatta taactgcaat cgatgggcag 350

aagacaaatg gtgtccacaa aatacacagt actgtttgac agttcatcac 400

ttcaccagcc acggaagaag cacatccatc accaaaaagt gtgcctccag 450

aagtgaatgt catttgtcg gttgccacca cagccgagat tctgaacata 500

cggagtgtag gtcttgctgt gaaggaatga tctgcaatgt agaattacc 549

<210> 441
<211> 303
<212> DNA
<213> Homo Sapien

<400> 441
att1attttg ctaaattgaa agggaacata gatggaattc caaaatatgt 50

acattcagct gtttggtttt tcgtttttca ttgttattat tgtgagaatg 100

ctgttattgg ggttgtgtgt gagtgcccgt cagccagtga tgcctcgggc 150

caggctgtgg ggccacctca gtcctgcctg ggtcctggtg ccttggaccc 200

cacgtgcttg tggccaggct gcccctgggc ggggccatgt ggcctcagac 250

cacaagagcg gagctgccct ggcccaagca ctgcagctgc ctgcacccc 300

ggg 303

<210> 442
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 38, 6?, 90, 138
<223> unknown base

<400> 442
cgaccgccct tcgcgggca gnaaggccag gggtgctnag ttctttcacc 50

tcctttaga ctnaagattt gccaagtttt ccggcattgn tcttgaggat 100

ctcagaaggg ctctttaagc aagactgcaa atgggtgngt atttgtcatg 150

aacngaatga attccccaga acagtggttt cactcagcgc aggggaatgg 200

ctctttggga ttgttattct tctgcttgtt gatgtgatat gggttgcttc 250

ctctgaactt acttcgtatg tttttaccca gtacaacaaa ccattcttca 300

gcacctttgc aaaaacatct atgtttgttt tgtacctttt gggctttatt 350

attggaagc catggagaca acagtgtaca agaggacttc gcggaaagca 400

tgctgctttt tttgcagatg ctgaaggtta ctttgctgct tgcacaacag 450

atacaactat gaatagttct ttgagtgaac ctctgtatgt gcctgtgaaa 500

ttccatgatc ttccaagtga aaaacctgag agcacaaaca ttgatactga 550

aaaaacccc 559

<210> 443
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 50
<223> unknown base

<400> 443
gacctcgacc caagggtccg cggangggtg ggactggtca tggatctttn 50

gtcaagaatg agtttcggcc ccctcctacc ttatgggcta taataaatcc 100

ttgagtgtgg ggcaaccaca acttttctga ctgggattat tcagctaata 150

atgggcgtat tgggtttggg ttcattgcca cttaccttcc ggagtctgca 200

atgagtgctt acctggctgc tgtggcactt catatcatgc tgtcccagct 250

gactttcatc tttgggatta tgattagttt ccatgccggt cccatctcct 300

tcttctatga cataattaat tactgtgtag ctctcccaaa agcgaattcc 350

accagcattc tagtatttct aactgttgtt gttgctctgc gaatcaacaa 400

atgtatcaga atttctttca atcagtatcc cattgagttt cccatggaat 450

tatttctgat tattggcttc actgtgattg caaacaagat aagcatggcc 500

acagaaacca gccagacgct tattgacatg attccttata gctttctgct 550

tcctgtaac 559

<210> 444
<211> 547
<212> DNA
<213> Homo Sapien

<400> 444
acaqttqtgg ggaatcactg ttcctggtta gaaatttctg cattttatat 50

tatttttttg gctatattcc caaagcttgg attagcactg ctatgaacct 100

tcacatagat gagcaggttc ataggccact tgacacagtg agtggcctct 150

taaatctctc gttactctac catgtctggc tgtgtggtgt ctttctcctg 200

acgacttggt atgtctcatg gatactcttc aaaatctatg ccacagaggc 250

tcangtgttt cctgttcaac caccatttgc agaagggtca gatgagtgcc 300

tccaaaagt gttaaatagc aatcctcccc ccatcataaa gtatttagcc 350

ttgcaggacc tgatgttgct ttctcaatat tctccttcac gaagacaaga 400

agtttttagc ctcagccaac caggtggaca tccccacaat tggacagcca 450

tttcaaggga gtgtttgaat cttttaaatg gtatgactca gaaactgatt 500

ctctattaag aagctgctgc tacgaatggg gggcatcatg cggccgc 547

<210> 445
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 69, 176
<223> unknown base

<400> 445
ttcatggtaa aaaatgaact accctctgcc ataaagtttn taatgggaaa 50

ggaagagaca ttttcagcnt ggacgtggat ggccgcgttc tggtggtgat 100

agttaccttt ggcataattc tccctctgtg tctcttgaag aacttaggga 150

tcttggctat actagtggat tttccntgag ctgtatggtt ttttttcctaa 200

ttgtggttat ttacaagaaa tttcaaattc cctgcattgt tccagagcta 250

aattcaacaa taagtgctaa ttcaacaaat gctgacacgt gtacgccaaa 300

ttatgttacc ttcaattcaa agaccgtgta tgctttaccc accattgcat 350

ttgcatttgt ttgccacccg tcagtcctgc caatttacag tgagcttaaa 400

gaccgatcac agaaaaaaat gcagatggtt tcaaacatct ccttttttcgc 450

catgtttgtt atgtacttct tgactgccat ttttggctac ttgacattct 500

atgacaacgt gcagtccgcg gccgc 525

<210> 446
<211> 510

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 287
<223> unknown base

<400> 446
gnccacactg gccaaaaggt tgccgctagc cgcctgggaa tttaagggac 50

ccacactacc ttcccgaagt tgaaggcaag cggtgattgt ttgtagacgg 100

cgcttcgtca tgggacctgt gcggttggga atattgcttt tccttttttt 150

cggccgtgcac gaggcttggg ctgggatgtt gaaggaggag gacgatgaca 200

cagaacgctt gcccagcaaa tgcgaagtgt gtaagctgct gagcacagag 250

ctacaggcgg aactgagtcg caccggtcga tctcganagg tgctggagct 300

gggcucaggtg ctggatacag gcaagaggaa gagacacgtg ccttacagcg 350

tttcagagac aaggctggaa gaggccttag agaatttatg tgagcggatc 400

ctggactata gtgttcacgc tgagcgcaag ggctcactga gatatgccaa 450

gggtcagagt cagaccatgg caacactgaa aggcctagtg cagaagggcc 500

ctgcggccgc 510

<210> 447
<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 95, 98, 107, 207, 374
<223> unknown base

<400> 447
aagttttttt ttaattatca tggacgggt tntggattta atggggggaa 50

aagggcggaa aaggacaagg atccaaactg gggaattcgt tgatnttngg 100

gtccctntcc gctttccggc cggcagcggc tgccagggta tatttccttt 150

tttcgatcc tgcaacagcc tctttaaact gtttaaatga gaatgtcctt 200

ggctcanaga gtactactca cctggttttt cacactactc ttcttgatca 250

tgttggtgtt gaaactggat gagaaagcac cttggaactg gttcctcata 300

tttattccag tctggatatt tgatactatc cttcttgtcc tgctgattgt 350

gaaaatggct gggcggtgta agtntggctt tgaccctcga catggatcac 400

acaatattaa aaaaaagcc tggtacctca ttgcaatgtt acttaaatta 450

gccttctgcc tcgcactctg tgctaaactg gaacagttta ctaccatgaa 500

tctatcctat gtcttcattc ctttatgggc cttgctggct ggggcggccg 550

c 551

<210> 448
<211> 346
<212> DNA
<213> Homo Sapien

<400> 448
taattaaaat gcacacacac acacacacac acagaaattt tgagagccat 50

tttaatataa ttgcctccct agaaacatac cttttaggga atttttatca 100

ctaaaccaca tgttatttaa atacgtacat gtttaacata aatacataca 150

taaaattcac atgcatactt aacacttatg ttaaatatat tcaatgtata 200

tacatatgta cacaatatat gcatatatac atgtgggtat gtggtatgtg 250

tgcatgtgtg tgtatggcca gttacataat ttgtgggact aagggcaaaa 300

tgaaactgta cggccctcgt tcaaaaatta ggtgtggggc ggccgc 346

<210> 449
<211> 550
<212> DNA
<213> Homo Sapien

<400> 449
ccagtttgtc aaactactac tcttcaatgc ttctacatag cattctttaa 50

gggcaaattt gtaggctatc caggagaccc cagtttattg gttgggaaaa 100

tacagaaatg aagagtgtga cccaggtggc tgtcttcttg aactgacaac 150

tcagcttgac aataatcatg ggaggaaaag caatctggaa taacatacaa 200

gaagtattat tgccctggat catgaatcta attgggcgat ttcacagagt 250

ttctggatca gaaaagataa ccccacgatg ggaacaggac taccatctgc 300

agcctatggg caaactggga ttatcttatg aatatcttga aatgattatt 350

cagtttgggt tcgtcacctt atttgtggcc tctttccac tggccctct 400

gttggctctc gtgaacaata tattggaaat aagagtggac gcatggaaac 450

tgaccaccca gtttagacgc ctggtaccag agaaagccca agacattgga 500

gcatggtagc ccatcatgca aggaatagca attctggctg tggcggccgc 550

<210> 450
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 65, 68, 100, 146, 160, 177, 194, 237
<223> unknown base

<400> 450
ctgttaatga ttgcatttgg ccttgctggg ggggcatttt cttgcggatc 50

aaacccncgc aaagngtntt catttccacg tgtctgtctt gtcaagcacn 100

```
ccccttggtgt ccaggttcct tcatggccag tgctcggggt acaaanaagg 150

cgacattgan tacaagcccc gtgctcntcg gcatgctggt aacncaggac 200

gtgcagctcg ggctcttcat ggccgtcatg ccgactntca tacaggcggg 250

cgccagtgca tcttctagca ttgtcgtgga agttctccga atcctggttt 300

tgattggtca gattcttttt tcactagcgg cggtttttct tttatgtctt 350

gttataaaga agtatctcat tggaccctat tatcggaagc tgcacatgga 400

aagcaagggg aacaaagaaa tcctgatctt gggaatatct gcctttatct 450

tcttaatgtt aacggtcacg gagctgctgg acgtctccat ggagctggg 499
```

<210> 451
<211> 474
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 61, 77, 92, 93, 118, 136, 143, 167, 171, 223, 243, 255, 283,
      347, 404, 468
<223> unknown base

<400> 451
```
atcccaagc tttaggcccc ggaatnaaca attgcaatgc acgtttaagg 50

aaaaggtcat ntcggattca gacccntacg gcctcccac antttgtcnt 100

cactgcaac agggcttggg gtgggcctcc cgtttntaaa gcacccccnt 150

atgnatncac agcaggncaa naccaagtc ccaagactgc ctgggcctac 200

tggcccccct agcatttgtg cagaggtntc ctntacaagc tcccatgttg 250

ggaanangca cagatccacc aggatccctg ttntcctcct cagatcccct 300

tcctgcnacc ttttcccact ccgggactc agcccaggac acctcgntga 350

ntcntgnccc ctttacacct gcaagcaggg atgccggcat cagaagaatg 400

ttnngtnttt gaaattgttt gaggggtttg ggnttatntt tgttggtttt 450

ntcntnttt ttgcttangt gggc 474
```

<210> 452
<211> 401
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 108, 153
<223> unknown base

<400> 452
```
acggcgntcc ccgcccgaaa tcaaagctcc gagtcatccg tgtggggcat 50

tcgtcccccc tggcacagtt ggcctctttc cagaagcccg ttttgtttgt 100
```

```
tttacgtnta aattcgcgtc ggttcttatt tctctccctg gcaaggtctg 150

aaaacgggta ggagaataac ctgtgtcagc gtgttatgat gccgtcccgt 200

accaacctgg ctactggaat ccccagtagt aaagtgaaat attcaaggct 250

ctccagcaca gacgatggct acattgacct tcagtttaag aaaacccctc 300

ctaagatccc ttataaggcc atcgcacttg ccactgtgct gttttttgatt 350

ggcgccttc tcattattat aggctccctc ctgctgtcag gctacatcag 400

caaaggggg gcagaccggg c 421
```

                                    .
<210> 453
<211> 504
<212> DNA
<213> Homo Sapien

<220>
<223> unsure
<221> 84, 117, 121
<223> unknown base

<400> 453
```
gtcatttta cattctagtc ctcctgcatc tcctcaaggt tccctcaca 50

aagattacac acttattcca tcagctaaat ctgncaactt gtctgactcc 100

agcatagtg agatttnttc ncggtccagc atcgtgagca attgttctgt 150

tgaatccatg tctgcagctc tacaggatga acgtgttcc tctcaggccc 200

tgcagtccc tgaatccact ggggcattgg aaaagacaga gcacgcttca 250

gggataggag atcatagtca acatggccct gggtggacac tcttgaagcc 300

atcctaatc aagtgtttag ctgtctcatc gtctgtgagc aatgaagaga 350

tttttcaaga gcatatcatt atagaagcag ctgacagtgg tcgtggaagt 400

tggacttcgt gttcaagcag ctcccatgac aacttccaaa gccttccaaa 450

ccaaaaagc tgggatttttt tgaactctta cagacatacc catttggatg 500

acct 504
```

<210> 454
<211> 474
<212> DNA
<213> Homo Sapien

<220>
<223> unsure
<221> 21, 46, 55, 81, 86, 218, 301
<223> unknown base

<400> 454
```
ttatgctttt cttgcagtat ntgaaaggcc cgattaacaa aacaanagtc 50

ccaaacccc tttttttttt tgggtgtatc nctagntgca ggtgctgtgt 100

tccttagtgt catctatttg acttatacag gttacattgc accatggagt 150
```

```
ggcaggtttt attcattgtg ggatactggg tatgcaaaaa tacacattcc 200

aattattgca tcagtgtntg agcatcaacc tacagacttg ggtgtctttc 250

ttctttgatc tacatattct tgtatgtacc ttcccagcag gccttggtt 300

ntgcatcaaa aatatcaacg atgaaagagt atttgttgct ctatatgcaa 350

tcagtgctgt ctactttgct ggagtgatgg tgcgactgat gttgactttg 400

actccagtcg tgtgtatgct gtctgcaatt gcctttttcaa atgtttttga 450

gcactatttg ggggagcgg ccgc 474
```

<210> 455
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 57, 91-92, 98-99, 127, 133, 151, 178, 221, 236, 239, 267,
      295, 301, 325, 349, 381, 396, 426, 441, 481, 498, 501, 516
<223> unknown base

<400> 455
```
gccagaaaac ccttaagaaa aaaagcgnag gaaatttcg ccaaagctga 50

aagatncag cggcctgaga aaaaagtttg cccaaaaag nntgttttnna 100

aaaggnaag gaggaagccc cctttntcc ctnggcact tgtattttt 150

naccctgct ttcccaaat ccccactnat gaggatcagc ccatggtggt 200

atttttgcga tgattcctg ngtcctggag tctttntcng gtcaacggtt 250

ttcttgttat atttgcncta tgtagctgat gtcaattcag gagcncggag 300

ngaagtacaa gcttatggat gggtnctcag cccanctttg cggctagtnc 350

ttgtcagcag cccgggccat tggagcatat nttttctgcc agtttncgga 400

gacagcctcg ttgtgctggt ggcccncagt ggtggctctt ntggacatct 450

ggttcatctt agtggctgtt ccagaatcct ntgcatgaga aaatgagncc 500

nggtttctg gggagntgcg gccgc 525
```

<210> 456
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 94, 139, 162, 195, 257
<223> unknown base

<400> 456
```
tccttgttaa acatgaaggg cccggtagc catggtttgg ccaccttcat 50

tccaagcacc ccgccccagc aaggcctcct ggtacctttg tcanccactt 100

gttgtagaag gtgatgccga tggagaagca gtagtagana agcaccagcc 150
```

ccagggtcaa cnccgccttc cacaaaaagc cacatcgagg gcccncctcc 200

ccattcgtgg cggctgcagc accggagctc ctgagtcagc gggggcaggc 250

accccntttg aatacaatgt gcaggaagag ccggtggagt tagaccacag 300

ctttcaccaa gaacgtctcc aggctggagg agctctctgc agctccatga 350

ttcggaacca tcagcagagc cccaggcaga gtcctcacct aaggggctgg 400

tggctggtgc tgaccccttcc catggttaat tggatgcagc gctcacaggt 450

cccaaggtct gctcggccct gggagctcca ggccggaatt tttggccagt 500

gtggcc 506

<210> 457
<211> 194
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 36
<223> unknown base

<400> 457
 tgncccctc tctcctctcc acaatctcac ccattntgca tgtgccggtg 50

 ncnttcctg tcatcccacc tttctctgag actgtgttct tttttcttaa 100

 ttcngtttc tgtttgttct ttaggttgca tagtctttat tgatatttct 150

 ttgaattcac tgattcttct gccagctcag tctgttgttg agcc 194

<210> 458
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 61, 105, 128, 193, 217, 229
<223> unknown base

<400> 458
 gattacaaaa acaaaaaatg tttaatttaa gtgaaagggn ttaataattt 50

 taatctggga nttaataatt cagtggaaat tttaaatgaa tagttactat 100

 aatcncaaat aattgagagt caacttttntt tttccccaaa acatacatga 150

 aaggtctgtg tgtgtaagct ctgattttca ggacccctat ttntggaagc 200

 agagtaactg gaaatantaa gtcaagatnt gaaaaccatt tgaagttaac 250

 caaaaagcac aggctactaa ggcaggtgca gcatcaatga ttcactacat 300

 ggttctgata tcagctcgct tggtactact cactttgtgt ggatgggtac 350

 tttgttggac cctcgtcaat ctctttcgaa gccattcagt cctcaatctc 400

 cttttccttg gctacccgtt tggtgtttat gttcctctctt gctgtttttca 450

tcaagatagt agagcacatc ttcttctcac 480

<210> 459
<211> 564
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 73, 84, 93, 105, 147, 150, 156, 235
<223> unknown base

<400> 459
cggtccgaat atccggaacc tgacccaatc cctggccttt gaaactttca 50

tttttttgtt gtctgcctca acncgtcagg tggngcccaa acnttggtaa 100

agtcnagatc cggggagggg tacttcatgg ccttggactc catattnttn 150

tgcatntacg tggtgaaagc cctgctcaag atcatcgccc tgggcctctt 200

ggtacttctt tgacttctgg aacaatttgg acttnttcat tatggccatg 250

gccgtgctgg actttttgct gatgcagacc cactccttcg ccatctacca 300

ccaaagcctc ttccggatcc tcaaggtctt caagagcctg cgggccctga 350

gggcaatccg ggtcctgcgg aggctcagct tcctgaccag cgtccaggaa 400

gtgacaggga ccctgggcca gtcctgccg tcatcgcag ccatcctcat 450

cctcatgttt actgcctct tcctcttctc cgcggtcctc cgggcactgt 500

tccgcaaatc tgaccccaag cgcttccaga acatcttcac caccatcttc 550

accctcttca cctt 564

<210> 460
<211> 505
<212> DNA
<213> Homo Sapien

<400> 460
caaagaaaag aaaagggcac ttcggagcaa atcatacact aggcctttga 50

tgcttttaatt cttcttcagt tcattaaaag taactactaa ggaaaggtta 100

aaaacttccc ctcaaaaagg aatcaacccc aggaagtaat catttacaac 150

gattttccca aattttgaca atctgtcctg gaaagcaaac cccttttaaa 200

atctaatgtc tgggctttga gtattagctc atttagggtg gacaaatgca 250

ttactgtttt caaactgctc acatttattc agtatttctc caagttgcta 300

tctactcagc cttatgaatg ccctcgctt ttctaaggcc atgtgaaaat 350

cacggcactg cccttagcct tgtgtcatct gctttttcgt tctgcgatat 400

gcccagttcc caaatcaatt ataggtacct gtttaggaga gaggaagatt 450

ttacctctca aagggtgaga tttgaaattt acactaaaaa gacaacttta 500

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catttaatgc ttcacttaat gagacattct ttttttata agtctatttt 550

tctactcagt ttcag 565

<210> 461
<211> 565
<212> DNA
<213> Homo Sapien

<400> 461
atgaagttgt taaggtttac tgcccttgcc attttaatta tgaggctaaa 50

gatctttttg acgctgcaca tgtgtgtatg gcttccttga tatgctctcg 100

cagtctttg gtggcttttt cgcagagttc gttttgataa tgttatcttt 150

ggcattttaa cagtgatgtc aatacaaggt tatgcaaacc tccgtaatca 200

atgaagcata ataggagaat ttaataattt gcctcaggaa gaacttttac 250

agtcgatcaa atacaatacc acatcagatg ctgtcttcgc aggtgccatg 300

cctacaatgg caagcgtcaa gctgtctaca cttcatccca ttgtgaatca 350

tccacttac gaagatgcag acttgagggc tcggacaaaa atagtttatt 400

ctacatatag tcgaaaatct gccaaagaag taggagagaa attgttggag 450

ttacatgtga attattatgt tttagaagag gcatggtgtg ttgtgagaat 500

taagcctggt tgcagtatgc ttgaaatctg tgatgtggaa gacccttcca 550

atgtagttaa ccc 563

<210> 462
<211> 487
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 37, 70, 126, 128, 131, 150, 161, 172, 234, 299, 321, 368
<223> unknown base

<400> 462
gaagtggggcc caacatntga caaaactccc aatgaangat tccccgcttg 50

aaacaatggg ggcagggctn ccggcttcga ggggcaagtt tcaagcattc 100

aacaaagggt cccccggaaa atttcnangg ngtccaacac tcagtgccch 150

cagccagcc ncagaaccca anacataagg catgtcatcc acaagctctt 200

ctttggggac aacgctacag gtccagaaca tccncggagc tttcaatgct 250

ctcggggag cagacagact cacctccaac ccctggcct cccacgacnt 300

acatcctgaa gattgtgccc ncggtttatg aggacaagag tggcaagcag 350

cggtactcct accagtanac ggtggccaac aaggaatacg tcgcctacag 400

ccatacgggc cgcatcatcc ctgcaatctg gttccgctac gacctcagcc 450

ccatcacggt caagtacaca gagagacctg cggccgc 487

<210> 463
<211> 535
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 59, 66, 82, 227, 440
<223> unknown base

<400> 463
tatcaaqggg cgggttttgg atttaatggg gggaaaaggg gggaaaaggc 50

caggatccna actggngaat ttggtgattt tngggtccct ttccgctttc 100

cggccgggaa gggctgccag ggtatatttc cttttttccg atcctgcaac 150

agcctcttta aactgtttaa atgagaatgt ccttggctca gagagtacta 200

ctcacctggc ttttcacact actcttnttg atcatgttgg tgttgaaact 250

ggatgagaaa gcaccttgga actggttcct catatttatt ccagtctgga 300

tatttgatac tatccttctt gtcctgctga ttgtgaaaat ggctgggcgg 350

tgtaagtctg gcttgacc tcgacatgga tcacacaata ttaaaaaaaa 400

agcctggtac ctcattgcaa tgttacttaa attagccttn tgcctgcac 450

tctctgctaa actggaacag tttactacca tgaatctatc ctatgtcttc 500

attncttat gggccttgct ggctggagcg gccgc 535

<210> 464
<211> 451
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 59
<223> unknown base

<400> 464
aaaaggccaa ttttaagcaa aatataacaa aacgagaagt ggaggatgac 50

tggtgtntna gcatgctgat tgactcccag aacaaccagt atattttgac 100

caagcccaga gattcaacca tcccacgtgc agatcaccac tttataaagg 150

acattgttac cataggaatg ctgtccttgc cttgtggctg gctatgtaca 200

gccataggat tgcctacaat gtttggttat attatttgtg gtgtacttct 250

gggaccttca ggactaaata gtattaagtc tattgtgcaa gtggagacat 300

taggagaatt tggggtgttt tttactcttt ttcttgttgg cttagaattt 350

tctccagaaa agctaagaaa ggtgtggaag atttccttac aagggccgtg 400

ttacatgaca ctgttaatga ttgcatttgg cttgctgtgg ggagcggccg 450

c 451

<210> 465
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 79
<223> unknown base

<400> 465
cactggcaa accattatat ggcatactct ggntacgtgg tctgcctgtt 50

attcgaaaga tatattaaga atccagttnt ggattgcagc tgttattttt 100

ttggcgaatgc ttgaaaaagc agttttttat agtgaatacc aaaacatcag 150

caacactgga ctgtcaaccc aaggcttatt gatatttgcg gagttgattt 200

ctngcgattaa gaggacgttg gctcgccttc tcgtgatcat tgtgagcctg 250

gggctatggca ttgtgaagcc tcgtttagga acagtcatgc accgggtgat 300

cggacctgggg cttctatact taatcttttgc agctgttgaa ggcgtgatga 350

cagtccattgg gggttctaac catttagctg ttgttcttga tgacattatt 400

ttagcagtta ttgactccat ttttgtgtgg ttcattttta ttagtttggc 450

acaaactatg aagaccctaa ggctaagaaa gaacactgtg aaattttcat 500

tatatagaca ttttaaaaat actctgatct ttgctgtgct ggcttctata 550

gtgtttatgg ggtgggcggc cgc 573

<210> 466
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19
<223> unknown base

<400> 466
tggatggtac cctggccnt ccagagtccc agggcaatgg gtccattttt 50

agcccaatgt ggtgtacatt accctacgct ccaagcgcag caagccggcc 100

aatatccgtg gcaccgtaag cccaagcgca ggaaaaagca tgcagtggca 150

tcggctgccc cagggcagga ggctttggtc ggaccatccc ttcagccgca 200

ggaagcggca agggaagctg atgctgtagc acctgggtac gctcagggag 250

caaacctggt taagattgga gagcgacccc ggaggttggt gcggggtccg 300

ggagtgcgag ccggggccc agacttcctg cagcccagct ccagggagag 350

caacattagg atctacagcg agagcgcccc ctcctggctg agcaaagatg 400

acatccgaag aatgcgactc ttggcggaca gcgcagtggc agggctccgg 450

cctgtgtcct ctaggagcgg agcccgtttg ctggtgctgg aggggggtgc 500

ggccgc 506

<210> 467
<211> 410
<212> DNA
<213> Homo Sapien

<400> 467
aacctgtgac gttagtgtgt tcttactagc tttaatttgt atgtagcaat 50

gaatgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 100

ggaattaagg gtttcagtaa taatgctata ccgaggtgct tgcattgtat 150

ttcataattt tgttacaaac caaaattatt tttaatgaga acagtcttgg 200

gttcagaggt gtgatgccag aatgtatttt cgtactgtta ggcccttgga 250

acagataccg gtgctttctg aaagatgaaa gaaatgcaat gggtgctctt 300

catgcaaggt tgcaaaccta ccaagaatgc ataatagtct cacttttccc 350

caataaagag atgcgtgtga ctagttttgg acttttaacc ttaatgggga 400

tggcggccgc 410

<210> 468
<211> 395
<212> DNA
<213> Homo Sapien

<400> 468
atggtcttgg gcatccattg acctgctttc tgtccctgta gattagtttt 50

gccngttcta gaattttatg tatgtaaggg aatgatgact atgtatgttt 100

gtgtttggct tatttttacc agcaagtttt tgaggttcat gttattgtgt 150

gtatcagaag ttagtttcta tttattgctc agtagtattt cattctgtga 200

atttaccatg gtctgtttaa tatattcatc tattgatgat gaacatttag 250

attactttc gtttttgcct attaaaaata aagttagtat gaatatgcat 300

gtacaagttg tattgtggat atactttgtg ataataacta gaaccaggag 350

tggttcaaaa tttaatttac acatctactc cctgtgttat ttgcc 395

<210> 469
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 122, 235
<223> unknown base

<400> 469
tggctgaaaa tttttggaaa aaagaatatt ttctttttaa taggtaactt 50

```
aanatatttt attcattgtc gcccagtgta acaagaggaa tcagttaaac 100

tcctgtgtcc aggccagtac cnccaattaa tgcacttgta gctactgaat 150

tccagccaag ataaatataa ttaaatctag tgcttcagga aatgagttga 200

tcatcaaggg agttagaatg gaaaacatt tatgnataat tttaaaggac 250

atggactta actgtttgga atgaatgagc ttgatttttt ctatacatat 300

tataagttaa tataaaaaaa ggctttgggt agactccgta tgaccttatg 350

tatttgattt catgagtttc attttctgca gtaactttat cattcatttt 400

tcatctctta ggctggaatg tagtggaaaa agaactgaac taggagttag 450

aagatttaag ttttggctct ggctccatca catactggca gtgatgatct 500

tagccaagtt tgaactgctt atggcgtggt cttgtttatt cattcagta 550

tttccaac 558
```

<210> 470
<211> 558
<212> DNA
<213> Homo Sapien

<400> 470

```
agttaccctc actttaccaa ggactttgct cggcgtttat tagtgctgtt 50

tggctagcat tcccattgct cacaaagctc tgtgtgcata aggatttcaa 100

gcagcatggt gcccaggaa aatttattgc tttttacctt ttggggatgt 150

ttattccnta tctttatgca ttgacctcat ctggcagta tttgagatgt 200

ttacccctat cctcgggaga agtggttctg aaatcccacc tgatgttgtg 250

ctggcatcca ttttggctgg ctgtacaatg attctctcgt cctattttat 300

taacttcatc taccttgcca agagcacaaa aaaaaccatg ctaactttaa 350

ctttggtatg tgcaattaca ttcctccttg tttgcagtgg aacatttttt 400

ncatatagct ccaatcctgc taatccgaag ccaagagag tgtttcttca 450

gcatatgact agaacattcc atgacttgga aggaaatgca gttaaacggg 500

actctggaat atggatcaat gggtttgatt atactggaat ttctcacata 550

ac 552
```

<210> 471
<211> 549
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 471

```
gaggcattgt gaatggttgc agtgnagctt aggtataaca tcatcaagtg 50
```

```
tgttcacacg cgggtcggg tttaatggag tgtccacgcg gagataactg 100

cgatattgga acacctgtga gagagattgt tctataggt ggaatattca 150

gagttacatt cttggaagtt tctgtttta cttgcatcaa acacccctct 200

gttgttctcc atcatcttta atagcaactg gagaccactt tggtcattgg 250

taaggggtg cattctcctc acaaaggggt tttatggact tcctcaggcg 300

gagagcttct gagaacacag gcaggatgga aaaagactac tagccactt 350

tgctttccca acccccctta atgccatcct tcattgtctt tctggcttct 400

cttcttctgg cacagtacca ttttgggtct gtgccccagt gtggagcaaa 450

acattgcctg tcccattctg atatacttca gaatttgaga gcagaagtta 500

atgtggaaca aaagtttca ccatctctca agccccaagg actggagcc 549
```

<210> 472
<211> 510
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 95, 404
<223> unknown base

<400> 472
```
actaggctgt ttgggagcat tcccattgct cacaaaagct ttgtgngcat 50

aaggacttca agcagcatgg gcccaagaaa atttattgct ttttnccttt 100

tgaggatgtt tattccttat ctttatgcat tgtacctcat ctgggcagat 150

ttgagatgtt taccctatc ctcgggagaa gtggttctga aatcccacct 200

gatgttgtgc tggcatccat tttggctggc tgacaatgat tctctcgtcc 250

tattttatta acttcatcta ccttgccaag agcacaaaaa aaaccatgct 300

aacttttaact ttggtatgtg caattacatt cctccttgtt tgcagtggaa 350

catttttcc atatagctcc aatcctgcta atccgaagcc aaagagagtg 400

tttnttcagc atatgactag aacattccat gacttggaag gaaatgcagt 450

taaacgggac tctggaatat ggatcaatgg gtttgattat actggaattt 500

ctcacataac 510
```

<210> 473
<211> 471
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 70
<223> unknown base
```
```

<400> 473

```
gattgcaagg aggattttat atgatagtca tagcttgtct ttaaaagttt 50

ggtatgtgat aatatcagan cagtaaaagg ctatttcaca ttttaaaact 100

aaatctttat taaataatta tttcacaagt tagtaattat tgatattctt 150

cttcagggac tagagttcct atgcttccta aactgacttt taaggaaaga 200

tgagactata ttcagtgcag ttttaatatg acatatttta ttatctctta 250

ttttttaaat tgatattta tgaaggagtc tatggactat aatacgaaaa 300

ttctggttgg ggaggcagga aacctggctt tcaagtacac tccaatagct 350

tttatataaa attcaggtgt tcttttctc taatacttga aatagctatt 400

ttcattttca tgtcattttc tgtactttc ctgatacttt taaacattgt 450

tttattttca aatgaacagc c 471
```

<210> 474
<211> 379
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 77, 96, 101, 109, 117, 124, 185
<223> unknown base

<400> 474

```
ttcccgcaat tttcagaaaa atgggantaa aagaaactat tttgtaaaat 50

aaaaaagctt ccatttttaa tgaccancat gtattaagat ggaacntact 100

ntacgaaanc gaagtntat ggtntcgaaa agcccgtgcc tgtttaaaac 150

ttgatcctaa ctaaaaacag acttgagtgg atatnagaat gttggttagt 200

ggcagaagag tcaaaaaatg gcagttaatt attcagttat ttgctacttg 250

tttttagcg agcctcatgt tttttggga accaatcgat aatcacattg 300

tgagccatat gaagtcatat tcttacagat acctcataaa tagctatgac 350

tttgtgaatg atacctgtc tcttaagca 379
```

<210> 475
<211> 446
<212> DNA
<213> Homo Sapien

<400> 475

```
tttagaaatg gtatggcaga atccagaaaa tgctttattg aagacagtca 50

ttgatcacca gtacacttga tctccagtac agacatatgg tggaacagaa 100

gcctggatac aggactcaga ctcttactgg ttggtatcat acgtgatcgt 150

ttgattcagt tcatctctaa attgcagttt gccgtgactg tgcttttgac 200

atcatggaca gagaaaaaac aacgtcgaaa aacaactgcc actttatgta 250
```

```
tactcaacat tgtcttttct ccattcgtgt tggtcatcat agttttttct 300

acactactct cttctccctt actccctctt ttcacccttc ctgtgttctt 350

ggtggggttt ccccgaccta ttcagagttg gccaggagca gcaggcacca 400

cagcctgtgt gtgtgcagat acagtgtact actaccaaat ggtgcc 446
```

<210> 476
<211> 451
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 43, 81, 83, 126, 206, 244, 256
<223> unknown base

<400> 476
```
gggtgctctt tttcaattca ggaacatcaa catttantaa acngtggggt 50

gggatcctta caaatcatcc tgcttttttg nanatcactg gctactaagg 100

caggtgcagc atcaatgatt cactanatgg ttttgatatc agctcgcttg 150

gtactactca cttttgtgtg gatgggtact ttgttggacc ctcgtcaatc 200

tcttngaag ccattcagtc ctcaatctcc ttttccttgg gtanccgttt 250

ggtgtnttat gttcctcttt gctgttttca tcaagatagt agagcacatc 300

ttcntctcac agactacaaa tatgtggttc agcacgaggc agtagaggaa 350

agtgcctga ctgtgggagg cttggccaaa tccaaagact ttctctcctt 400

gttgctggag tcgctaaaag aacagtttaa taatgccaca cccatcccca 450
```
<> 451

<210> 477
<211> 527
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7
<223> unknown base

<400> 477
```
ggccacnctg gccaaataag ggcaaaaagc tttatttttt tgaacaggaa 50

aacatgtttt ttaaattcac atgttttgta tgagactttt gcgaagcaag 100

gcatgaactg ctaggtatta ttaagaatga atgattttg catttaagtt 150

gtttgaaggc atgtattttg aaaaatatct gttacaaatt tataatttca 200

agataaattg aatcttattt tataatactt ttggaatttc attaataagg 250

ctaaaatttg aggaatataa ctaattttca gccttaagac atttaagttt 300

ggaagtcctt gctattcaac agataacaa gaaaacttca gaatgtatca 350
```

ctctcctgaa aagaagatat taataagccc ttttatttat ggttatagtt 400

ttatttatag tctcaaaatt cctaaagcaa tgctacaacc attgaatttg 450

ccatattttg tatcagtgct gttaatttgc tgttgcctca agaaaaagtg 500

cttttttctcc atggatgagg cggccgc 527

<210> 478
<211> 332
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 75
<223> unknown base

<400> 478
cacacacaga cacacacaga aattttgaga gccattttaa tataattgcc 50

tccctagaaa catacctttt agggnatttt tatcactaaa ccacatgtta 100

tttaaataag gtacatgttt aacataaata catacataaa attcacatgc 150

atacttaaca cttatgttaa atatattcaa tgtatataca tatgtacaca 200

atatatgcat atatacatgt gggtatgtgg tatgtgtgca tgtgtgtgta 250

tggccagcta cataatttgt gggactaagg gcaaaatgaa actgtacggc 300

cctcgttcaa aaattaggtg tggagcggcc gc 332

<210> 479
<211> 569
<212> DNA
<213> Homo Sapien

<400> 479
atcaatcaga tgtatttagg gatttgggat attctaccag gtgttgtgaa 50

atgtcaaatg gaacaagcgt ttcatcttga ttttggaact gaattggaac 100

caagaaaaga aatagtgcta tttgataagc caactagagg aactactgta 150

caaaaattta aagaaatggt ctatagtctc tttaaggcaa aattgggtga 200

ccaaggaaac ctctctgaac tggttaatcc catcttgacg gtggctgatg 250

gagacaaaga tggccaggtt tccttgggag aagcaaagtc ggcatgggca 300

cttcttgaac tgaatgaatt tcttctcatg gtgatacttc aagataaaga 350

acatacgccc aaattaatgg gattctgtgg tgacctctat gtgatggaaa 400

gtgttgaata tacctctctt tatggaataa gccttccttg ggtcattgaa 450

cttttattc catctgggtt cagaagaagc atggatcagc tgttcacacc 500

atcatggcca agaaaggcca aaatagccat aggacttcta gaatttgtgg 550

aagatgtttt ccatggccc 569

<210> 480

<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41
<223> unknown base

<400> 480
cccgccatga ctcggagact gaggacatgt atgggacgac ntgctacatg 50

gccagagtg ccggtcatct gtcaccagtg acagtgaggg ggcccatgtg 100

aatacccttc actcagggcc aaacgtgccc caaagaggat gtttttcagc 150

agatcattt attctggctt cagaattcaa gtccttcctc tgatcgagtt 200

aggaataat ctgggagggg aatgagtgca aaagatgga tatgtctgtg 250

ttggaaataa gtggcatcat catgagcagg gtcaatacct atcagcaagg 300

agtaggttat cagatgctgg gaaatgttgt cactattgga ttagcatttt 350

ttccattctt acatcgactt ttccgtgaga agagccttga ccaactaaag 400

tccatttcag ctgaggagat cttgactctc ttttgtgggg caccacctgt 450

tacacctatt attgttttgt cgataattaa ttttttttgaa agattgtgtc 500

ttacttggat gttttttttc atgatgtgtg tggcggccgc 540

<210> 481
<211> 77
<212> DNA
<213> Homo Sapien

<400> 481
ggccacactg gccaaagagc atatttgatc actttgattc tctgttcttt 50

tctttccgcg gtgtgtgtgg cggccgc 77

<210> 482
<211> 560
<212> DNA
<213> Homo Sapien

<400> 482
aaagacccag tcatggcaag cctccaagca tcagttcacc atggggaaag 50

catgtgttca aagccattct gatggtccta agtggccctt atcctcctcc 100

actcagcatt ggcccagtcc cgtcgagact ttgcaccacc aggccaacag 150

aagagagaag ccccagttga tgtcttgacc cagataggtc gatctgtgcg 200

aggacactg gatgcctgga ttgggccaga gaccatgcac ctggtgtcag 250

agtcttcgtc ccaagtgttg tgggccatct catcagccat ttctgtggcc 300

ttctttgctc tgtctgggat cgccgcacag ctgctgaatg ccttgggact 350

agctggtgat tacctcgccc agggcctgaa gctcagccct ggccaggtcc 400

agaccttcct gctgtgggga gcagggccc tggtcgtcta ctggctgctg 450

tctctgctcc tcggcttggt cttggccttg ctggggcgga tcctgtgggg 500

cctgaagctt gtcatcttcc tggccggctt cgtggccctg atgaggtcgg 550

tagcggccgc 560

<210> 483
<211> 581
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 174, 187, 224
<223> unknown base

<400> 483
caaaacgatt ttattgccaa accctgtgca ctccgattgg catcgaggac 50

agtggtcctt atcaggccca accccaatgcc atccttgaaa aggtgttcat 100

atccattacc aagtatcctg ataagaaaag gtgnagggcc tgtcaaagca 150

gctuga tgg aatgtccgaa aaatccaatg ctggttngcc atcggaggaa 200

tcaggacaag ccccaacgc ttantaaatt ctgtgaaagc atgtggagat 250

tcacattcta tttatgtata ttctgctatg gaattagatt tctctggtcg 300

tcaccttggt tctgggacat ccgacagtgc tggcataact atccatttca 350

gcctcttca agtgggcttt atcactatta tatcatggaa ttggccttct 400

attggtccct tatgttttct cagtttacag acattaaaag aaaggactto 450

ctgatcatgt ttgtgcatca cctggtcacc attgggctta tctccttctc 500

ctacatcaac aatatggttc gagtgggaac tctgatcatg tgtctacatg 550

atgtctcaga cttcttgctg ggggcggcg c 581

<210> 484
<211> 358
<212> DNA
<213> Homo Sapien

<400> 484
tctaggtcca ttgtcacctt ttctggcacg acagcctcg ccccacggca 50

ttccccaggc caagctggtg gccatgcttc agacacgaga cccaccaagg 100

gcctccgcca gaccacggtg cctgccaagg gccaccctga gcgccggctg 150

ctgtcagtgg gggatgggac ccgtgttggg atgggagccc gaacccccag 200

gcctggggcg ggcctcaggg accagcaaat ggccccatcc gctgctcctc 250

aggccccaga agccttcaca ctcaaggaga aggggcacct gctgcggctg 300

cctgcggcat tcaggaaagc agcttcccag aactcgagcc tgtgggccta 350

gcggccgc 358

<210> 485
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 61, 95, 100, 110, 190, 205, 228
<223> unknown base

<400> 485
ctggccaaac atatggggga tgaaaataaa anaattacat atgaagattc 50

aaaaccatcc ncaggaatga attacacgcc ctcccaggca tcaanaagcn 100

caggaggagn cagttatgaa gtcaaaggta tagatgcaaa atgaaccaac 150

aaaaggaagt ttttttttga aaagcagtaa aaaaaagctn caagaaacac 200

ccaantgaag caaatcacgt acaaagantg agacaaatgc tggcttgccc 250

tccacatggt ttactggaca gggtcataac aaatgttacc atcattgttc 300

ttctgtgggc tgtagtttgg tcaattactg gcagtgaatg tcttcctgga 350

ggaaacctat ttggaattat aatcctattc tattgtgcca tcattggtgg 400

taaacttttg gggcttatta agttacctac attgcctcca ctgccttctc 450

ttcttggcat gctgcttgca gggtttctca tcagaaatat cccagtcatc 500

aaaacataatg tgcagatcaa gcacaagtgg tcttcctctt tgagaagcat 550

agccctgtct atcattctgg ctcgtgcggc cgc 583

<210> 486
<211> 454
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 152, 315
<223> unknown base

<400> 486
tgcatcgtgg ggtatgtaca atgtttacgc atgtgagtgt gtgtaaagtg 50

tgtgtatnaa gtgtgtgtgt acatctgtgc agctggtcac cagcatgtac 100

cttcacaagt tagattttgc tggcatatcc acgagctgtc accactgtgc 150

cntgggcatt gagctttttg aggcttgtgt gttggcctgt cccagggctc 200

tgccatcgtc agtattggcc ccactcacag atgttctttc ctgggttggg 250

ccagctcctt ttggacactt ttgagatcca cctcgggccc gtctgcgttt 300

gcgatgctgc ttttntgtgg ctccttccgg ctactgggac tgttcccttc 350

tggcattgcc ttcggcagca cttcgaggaa ctcagcctcc agggcctcct 400

gttgtccttg aaaatgcagt tttatttcat tattttttatt tatttatttt 450

tggg 454

<210> 487
<211> 196
<212> DNA
<213> Homo Sapien

<400> 487
ctcaaatta aagtatcaaa cagggtcct cagaactgtc tcacttcctc 50

ctgttcctat caatattaaa gcctaaaact caagaatcat tcttagcagt 100

ttttttctct tttttctttc ttttctttttt tttctttttt gagacggagt 150

ctcactctgt cgcccaggct ggagtgcagt ggcgacagag tgagac 196

<210> 488
<211> 226
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 124
<223> unknown base

<400> 488
gctagtgagt gtgtgtgtgt ttaatgtacc taattctgta aaggatttta 50

agtgattttt tcaaagtgga cccaataaaa taaaaacaat atgcgtgcat 100

gtgttttata aaagtaataa aacnagttat tctgctttttt ctagtcttag 150

ttacttactt acatatttat ttggggggtg tgatgttctt tttaaaagga 200

actcctgtga cacctgttac tccggc 226

<210> 489
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 61, 143, 260, 293
<223> unknown base

<400> 489
gcagctgcct attgcacttg tgaaaaaggt ttgtatgttc aacactgctg 50

ggntggctca nagttgggag tgaatcctcc aagggataag cttggagaac 100

tttttgaaca gtcaatctgt aaaggtgttt gcaatcccaa ggncaatgga 150

ctagattatg aaggctctcg ggtggaccca ctgttcctct ctgtttatta 200

agctttttga aggagagaga tgagggcagg acatgtgaca acggtgcttt 250

tccttatgcn tatatcgctc tccaacagca tcctttccaa atntatagcg 300

cttcaaagat tccaggacag atcgggaaga gccagtgtcc atagaaacct 350

ggggttgttc agaagaacgg tgttctctgt gtttgtgacg gtgcctgt 398

<210> 490
<211> 568
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 5.., 63, 87
<223> unknown base

<400> 490
ggttttgtcc ttcggtatga caactacaaa aaagcaagcc agtggggatt 50

cntatgaggc cntggacct gccaaacatc tccgggngca tgcaaaaagg 100

tttcctactt tcactgcacc ctcatcggat actttgtagg cctgctcact 150

gctactgtgg cgtctcgcat tcaccgggcc gccagcccg cccttctcta 200

tttggtgcca tttactttat tgccactcct cacgatggcc tatttaaagg 250

gtgacctccg gcggatgtgg tctgagcctt tccactccaa gtccagcagc 300

ttcggatcc tggaagtatg atggatcacg tggaaagtga ccagatggcc 350

gtccatagcc tttttctctca actcatggtt tgtttcctct tagagctggc 400

ctcgttattca gaaatgtacc tgtgtttaag gaactgccgt gtgactggat 450

ttggcattga aagggagctc gtttgcagga gagaggtgct ggagccctgt 500

ttggttctt ctcttcctgc ggatgtagag gtggggcccc ttccaagagg 550

gacaggcctc tccccagc 568

<210> 491
<211> 582
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 38, 42, 74, 92, 168, 177, 232
<223> unknown base

<400> 491
aagactccca aggaagttgt tgaactatat ttgganaaac angccactga 50

atattatcat ttttccttt aaanagagtt ttgtaagggg gnaaacatgc 100

attttttatcc agacaattta tccaaagcat ttcagaacat gaagtgctga 150

tgagggcacc tcttgtgntg agtcccntaa gctatcaagt gttcttctca 200

aggacacatt tggaaggttt taacattgaa antgagcgga ggacttgggg 250

gcagagcagc acaaagaaac agccttacac tgggcacatg gaggagacgt 300

ccacctgca gccaggattg gggttcacgt cactgccaga gctacactcg 350

ccttctgctt ccacggtcct gttaattcta gatcagagag caagaaaaaa 400

gtacagaaca tatcctctac ggttatttcc tgctttctaa ttaaaaaaat 450

aataaccatg gcaagagaga aagaaagaga aagtactcag aggctgacac 500

tgacatttca cttcctcgct ctcctaagtt taattacaac agcacgtgca 550

gc 552

<210> 492
<211> 579
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 147
<223> unknown base

<400> 492
tgcagcattg gcagcaacaa aaatttctag tttggntgat gattttggag 50

aattcagcct ttttggggaa tattttggtc tagcacctgt tggggagcag 100

gatgactttg cagattttat ggctttcagt aatagcttta tttcatntga 150

gtaaaagccg gatgacaaat atgatgccct taaagaggaa gccagtcctg 200

ttcctcaaac cagcaacgtg ggcagcacag tgaagggtgg acaaaactcg 250

actgctgcgt ctactaagta cgatgtcttc agataacttt ctctggaagg 300

gtatggacta ggtgttgaag acctgaaaga taacactcct tcaggaaaaa 350

gtgatgatga ttttgctgac ttccactcca gtaaattttc ttccataaac 400

tggacaaat cctgggaga gaaagcagtg gctttcagac acaccaaaga 450

agactctgca tcagtgaagt ccttagatct cccttccatt ggtggcagca 500

gtgttggcaa ggaggactct gaagatgcac tctctgttca gtttgacatg 550

aaattggctg atgtgggagg agcggccgc 579

<210> 493
<211> 574
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 89, 166, 192, 339
<223> unknown base

<400> 493
gccctatcca ggttacccctt ccnaagggaa accaggtttc tttaaaaaat 50

taagcagccc ggggccggtg ggctcacgct tgtaatccna gcctttgaag 100

cccgaggcgg cggatcacct agaagatgac tcaagaccgg cctctgcttg 150

ccgtgcagga ggcgtnaaga agtgcttccc cgtggtggag ancagcaggg 200

cctgtgcaga gtgccctgcg ggactgccag ccctcctgt cctccctcag 250

caacctggcg gaacagctgc aggccgcaca gaacctgcgg tttgaggatg 300

tgccggcgct tcgggccttc ccagatttaa aagagcggnt gaggcgtaag 350

cagctggtgg ctggtgacat cgtcctggac aagctagggg aaaggctagc 400

catcctcctc aaggtgcgag acatggtcag cagccatgtg gagcgagtgt 450

ttcagattta tgagcaacac gcagacacag ttggcattga tgctgtcctg 500

cagccttcag cagtgagccc ctctgtggct gacatgttgg aatggttgct 550

ggatattgag agacgggcgg ccgc 574

<210> 494
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 40, 114, 133, 284, 359
<223> unknown base

<400> 494
cagnatgaga catccccca tgcctggggc cattnagatn tttttggagc 50

acaagtcact cccaggtttt tattttaggg gtcatcgatt ttacctactt 100

tgtcagactg gtanaagttg ctttgcatat canaaaaact ccattttttt 150

ccanaaaagg gattacagaa aactcttttg tgagtgagtg attggaactt 200

agacactcct gttgccagaa tcagactgcc ctagaacaga atggacaatg 250

cagcgaggag aatttacaca aacagcacct gttntgaggc ctgtgccagc 300

ccaccaggcc tgctcaaatg tggtctttac ttcaagtgca cagaggcaca 350

tgaggttttnt ggtgataaac cagcgtctta ccgctgtttt aaagtcccat 400

ccccatggct ttcacaatca gttccgtttt ttttgctgta cttgataaaa 450

tgtttattct catacaggtc aagtacattt acttctattc acagtgagta 500

cccaataata acaaaagcgc ttacaaattt ggggggggcg gccgc 545

<210> 495
<211> 239
<212> DNA
<213> Homo Sapien

<400> 495
tttttttaaaa aaaaaaaaaa tctcagtata gttctgatta aaatttcctt 50

tctgagtcct aaatgcttta aatcttcttt tcccattctt tttacttctc 100

ctatccatag ttacaagttc ttacgcatga catatctctt ggctgataag 150

tttaactgct taagcacctg tttatgtttc attttttaaca tagccagtta 200

ctattatgct tggatataca caatgagggg agcggccgc 239

<210> 496
<211> 402

<212> DNA
<213> Homo Sapien

<120>
<221> unsure
<222> 2?, 34, 85, 89, 105, 108, 115
<223> unknown base

<400> 406
tgtggaaaa acagttattg cancggttgc ttanaaaaac ataaaaatgc 50

atccatgggg cttatttatt caggagaaat ctccanagcnc ctgggagtgc 100

tttanagnca ggggntgctt gcatcctctg tggatgtgtg tgtgtgtgtt 150

tgtggctagg tgtgtgcgca caggtttgtg tgcctgtgtg tgcatgtgtg 200

tggggtgtgt gtgcatgtgt gtatgcacgt acccgtgtgt gtgtgcacag 250

gtgtgtgtgt gtgtgtgttt gtgtgcctgt gtgtggggtg tgtgtgcatg 300

tatgcatgta ccagtgtgtg tgtgcgcagg tgtttgcgtg cacaaatatg 350

catctgtgtg tatgtgtgtg tgttcacacg tgtgtgtgta tgtggcggcc 400

gc 402

<210> 497
<211> 553
<212> DNA
<213> Homo Sapien

<400> 497
cattataatt aactatagtt actatgctgt atatttgatc acccagaccc 50

atcttataac tgaaagtttg tatcctttga tccaaatccc cacattttc 100

ncagccnctg acaaccacca ctttactctg tttctatgag ttcaactgct 150

ttagactcca catgtaagtg agatcataca gtatttttct ttctgcactg 200

gcttatttca cttaacataa catcctctag gttcatctat gtttcagcga 250

atggcagaat tttcttcttt ttaaaggctg aatagtgttc cctcaggtat 300

atataccaga tacacataca taagggaata tgtgtgtgtc tcgggtacat 350

gtacataagg gaatactatt ttttactcat tcatgtatgt gtaccagata 400

catatacata aggaatatat tgtatatgtg tctggtacat atacatgaag 450

gaatgcatt ttttactcat tcatctctca gtggacactt aggttgtttt 500

catatcntgg ctattatgaa tagtgctgca ataaatatgg gagtggcggc 550

cgc 553

<210> 498
<211> 576
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 47, 71, 78, 92, 112
<223> unknown base

<400> 498
ttattgggag atatccatgt ttttcataaa atcaacaaga gaatccntga 50

ttgttcagaa gaaaacaatt ntgaccgnag aatgctgtta cntgaacccc 100

ttatttcgaa gnatcataag attcacaggg gtgtttgcat ttggactttt 150

tgctactgac attttttgtaa acgccggaca agtggtcact gggcacttaa 200

cgccatactt cctgactgtg tgcaagccaa actacaccag tgcagactgc 250

caagcgcacc accagtttat aaacaatggg aacatttgta ctggggacct 300

ggaagtgata gaaaaggctc ggagatcctt tccctccaaa cacgctgctc 350

tgagcattta ctccgcctta tatgccacga tgtatattac aagcacaatc 400

aagacgaaga gcagtcgact ggccaagccg gtgctgtgcc tcggaactct 450

ctgcacagcc ttcctgacag gcctcaaccg ggtctctgag tatcggaacc 500

actgctcgga cgtgattgct ggtttcatcc tgggcactgc agtggccctg 550

tttctgggaa tgtgtgtggc ggccggc 576

<210> 499
<211> 330
<212> DNA
<213> Homo Sapien

<400> 499
aaaaaaaaaa aaaaaaagct aaaaaaccttt gactaaatct accatgtttt 50

ctcatattat taaaaattct aaacgtgggt tttttttgttt tgttttgttt 100

ttttgttct ccctctgcag agttgttage ggttctcgag atgccactct 150

tagggttttgg gatattgaga caggccagtg tttacatgtt ttgatgggtc 200

atgttgcagc agtccgctgt gttcaatatg atggcaggag ggttgttagt 250

ggagcatatg attttatggt aaaggtgtgg gatccagaga ctgaaacctg 300

tctacacacg ttgcaggggc aggcggccgc 330

<210> 500
<211> 440
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 79, 82, 101
<223> unknown base

<400> 500
atcaatggcc accagcaag accaagttac aaggatcgta tnttggtccg 50

aagggatgaa agtggcccaa gggtctccnt tntcggtgaa cgttcagctg 100

ntgcaggacc acggggaaat tgccaagagt aagcatctcc aggggagat 150

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gacctaacgt ttccaaaaga gaaacaggca gcaggttctt aagcagtgaa 200

gatgcggacg agatgttgca tgtggctcct gaggcacagc agtgacttcg 250

tgcccagagc ctggcagaga ggtcgcaggt gtgccagctt ccctgccagt 300

cagggcagcc ttgggtgtgt gtgcaagcat gtgtgcacat attgtgtgat 350

gtgcgtgctc ctgtatgtgt gtgcatatgt gtgtatgcct tgcacaggtg 400

tgcacaggtc tgaatgtgta tacgtggggg gggcggccgc 440

<210> 501
<211> 563
<21.> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 48
<223> unknown base

<400> 501
gaatatcctg caggtatctc tccggcccac ntccttgcct actgagcntc 50

agcctgatt tgtcatcgtc ggtttcgtga ccctcatcat atttaagcgg 100

gtcctgcaca cggccccac acagcagtgg gtaccaagta cggatgccc 150

tccagccatt cccagtttat gtggttcttc tccgtctatt ccttccttt 200

cctgtattta agaatgcacc aaacaaacaa cggcaggttc ctggacttgc 250

tgtggaggca cgtgctctcc ctgggactcc tcgctgtggc cttcctagtc 300

tccttacagca gggtctacct gctgtaccac acctggagcc aggtgctcta 350

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ggagttcttcc taatccgaga cacaagcctc attcccaacg tactctggtt 500

taagtacacg gtaacccggg cagaagccag gaacagacaa cgcaagtggg 550

ggccagcggc cgc 563

<210> 502
<211> 593
<21.> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 81, 126
<223> unknown base

<400> 502
ccctgcccaa agttaagttc aagttttctt ttcagataat gcctgaaatt 50

gcccagaata gtcagaggat ttaaaaattt ntttgaccac aaatgcacta 100

aagttttaag taaagcagtt tcttcnttca ttagcatgtg ttttacacta 150

acatttaata agaagccatt tttagtcttg atcttggcag tgttttcttt 200

aagacttctg atgttatcaa gtatttcatt aaatattaaa ttattattaa 250

ttactgttag tttaaatatc attaggggtt tcaatttggc ttcttaaaat 300

ggactgaact gtggcatcac gtattttgtc tcattcatgt atgaataaag 350

cataaatcag tttgttaatg gatgctcata ccactgttta tttttcaaa 400

tattttaaca cacttttccaa atggtgggat ttgctttata aatacagttt 450

tctacttaca catgaggaaa ataatattat ttgcattatg gatgtacact 500

ttgaaaaact ttttaatgca attatctgtg tattttcacaa tctctggtac 550

tttttctcaga tttaattttg gtggggcggc cgc 583

<210> 503
<211> 459
<212> DNA
<213> Homo Sapien

<400> 503
aagcctgtgt aaatggatca accaatccca gtacatttgc ttcaagattc 50

aaaacattc aggtggggc ttgggacggg atcagcattc atcatgggga 100

agaaaatcac aggccatcag tggatcatac acagtgctca tcaagaaaga 150

taagttact tttaaattgt gggctcaaac tggacagcaa ggtgcacagt 200

tgaagagagc agaagtgttt ttaggcattc gttcacatac acagattgtc 250

ttcagagcca aacgtggtat cagttacata ggagatgtag cagtggatga 300

tatttcttc caagattgct cccctttgct tagccagag agaaagtgta 350

ttgttcatga attcatgtgt gctaataagc actgcgttgc caaagacaag 400

ctgtgtgatt ttgtgaatga ttgtgctgat aattcagatg agactacttt 450

catttgccg 459

<210> 504
<211> 218
<212> DNA
<213> Homo Sapien

<400> 504
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ttatttcag gtgccatttt atagtatagc agcagggctt ttactctgtg 100

tattcatga tgcagtctgg ggcatggttt gtgtgctgga ctttctcatg 150

gccatcatca gtatgcttat ggatttgatg acaggcatag cctgggcata 200

tcatcttatt ggtaaagg 218

<210> 505
<211> 552
<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 66, 88
<223> unknown base

<400> 505
ttaagtgca aaaaattatt ttattttttt cccagtaatt ttaaattgga 50

attccagccn tggcttattt ttgggagacc cagccatnta ccaaagctga 100

aggcacaaat gcttattctc gtcactgtcc tttttatgtc agcattcaga 150

gttactggct gtcatttttc atgggatgat tttatttgta gctttcataa 200

cctgttggaa gaagttacta ctttggacag gctatcagga taacttccta 250

aatgaatgaa actctcttat attttccttt ttcatcccac tccagttata 300

tttgtgagatc taaaaaaata ttcttatcca agctcattgt ctgttttctc 350

agtacctggt taccatttgt actacttcag gtaatcattg ttttacttaa 400

agttcagatt ccagcatata ttgagatgaa tattccctgg ttatactttg 450

tcaatagttt ttcattgct acagtgtatt ggtttaattg tcacaagctt 500

aatttaaaag acattggatt acctttggat ccatttgtca actggaagtg 550

ttgtttcatt cc 562

<210> 506
<211> 485
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 77, 124, 166, 225, 259
<223> unknown base

<400> 506
tttttttttg acacgagaca taaaaacttt taatgaagga ggacacagnt 50

cagagccttc cacaatgggg ccaaccntgc cccacggaga ccggccatgg 100

caaacgctca atcagaaggt gttnttgatg cggcggcca ccagcctaag 150

gatgtccccg atcttnttct gccagttggc gatgtccttg gacacggcgc 200

accacagctc cccatgccga ggctntgcac tctcacagcg cttcctcacc 250

tcctcctgnt gctcctcagt gccatgctgc agctcaaact tgtagaagaa 300

ggcccaggca tcccccaggt ccgagtcaat cttcacagtg cggtggaacc 350

actcctggc cttggtgatc ttccgctgac tccaaacag cttggccacg 400

gccaggagca catggggtc atgctcacac ttcttcaggg catccacgct 450

cttggtcctc ctctggggcc ttgcctcgag gaaga 485

<210> 507

<211> 503
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 47, 63
<223> unknown base

<400> 507
acctgttttt ttaagcacac ctcaagcggg gcctcgctta ccaatanttg 50

attaaccaca agnaaaagtg tcaagctcaa gacgtcctcc ttttactgtt 100

tgtaaaactg tcctgaaaac tatgatcgac gttccggaat tagaaggacg 150

tggggcaatg aaaattatgt tcggtctcag ctgaatgcca acatcaaaac 200

tctgtttgcc ttaggaactc ctaatccact ggagggagaa gaactacaaa 250

gaaaactggc ttgggaagat caaaggtaca atgatataat tcagcaagac 300

tttgttgatt cttttctacaa tcttactctg aaattactta tgcagttcag 350

ttgggcaaat acctattgtc cacatgccaa atttcttatg actgctgatg 400

atgacatatt tattcacatg ccaaatctga ttgagtacct tcaaagttta 450

gaaaaaattg gtgttcaaga cttttggatt ggtcgtgttc atcgtggtgc 500

ccc 503

<210> 508
<211> 564
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 73, 80, 145, 342
<223> unknown base

<400> 508
tcgacccacg gggtccggta aagttgatgg tctgccttgt acatctcaac 50

cattcttgaa ccacttaatc ctnttttttgn caacactagt agaacagaat 100

cctgaagata tggagaccta tacctagatg ttgctgaagc ttttntggat 150

gttggtgaat ataattctgc acttcccctc ctcagtgctc tttgtttgct 200

ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaatgttta 250

aaggccttag gctatatgga gcgagctgct gaaagctatg gcaaggtggt 300

tgatctggcc ccactccatt tggatgcaag gatttcactt tntacccttc 350

agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 400

tatgatccag atactttagc acaggatgca aatgctgcac agcaggaact 450

gaagttattg cttcatcgtt ctactctgtt gttttcacaa ggcaaaatgt 500

atggttatgt ggataccttta cttactatgt tagccatgct tttaaaggta 550

gcaatgaatc gagc 564

<210> 509
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 54, 110, 152, 221, 263, 275, 292
<223> unknown base

<400> 509
acagtatggt cattcatgct ccaaagaaaa ggagattgag ctttaaatna 50

aatttcttac aagttaggtg atccaggttt tgtggtcttt gcaacccttg 100

tggtcattgn gcccttgata ttaatcttcg ggggggtcct cgccatggac 150

agacaaacat tnttgtgaca taacaatctg ctctgtaatc ggggcgtttt 200

cagtctcctg tgtgaagggc ntgggcattg ctatcaagga gctgtttgca 250

ggaaagcttg tgntgcggca tcccntggtt ggattctgtt gntgagcctc 300

atcgtcgtg tgagcacaca gattaattac ctaaataggg ccctggatat 350

attcaacact tccattgtga ctccaatata ttatgtattc tttacaacat 400

cagttttaac ttgttcagct attctttta aggagtggca agatatgcct 450

gttgacgatg tcattggtac tttgagtggc ttctttacaa tcattgtggg 500

gatatttttg ttgcatgcct ttaaa 525

<210> 510
<211> 565
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 46, 79, 104
<223> unknown base

<400> 510
ttgcttgtta agctaacagg ggtgcaagct tccattttgg atctanttt 50

aaatacactc agacaggaga aatttggant aattttcaaa ctacagacac 100

ttntaatca tgatgcattt caaaagtgga ctcgaattaa cttgagttgc 150

aaaacatgac agtgcccgag gatgataaca ttagcaatga ctccaatgat 200

ttcacccgaag tagaaaatgg tcagataaat agcaagttta tttctgatcg 250

tgaaagtaga agaagtctca caaacagcca tttggaaaaa aagaagtgtg 300

atgagtatat tccaggtcca acctccttag gcatgtctgt ttttaaccta 350

agcaacgcca ttatgggcag tgggattttg ggactcgcct ttgccctggc 400

aaacactgga atcctacttt ttctggtact tttgacttca gtgacattgc 450

tgtctatata ttcaataaac ctcctattga tctgttcaaa agaaacaggc 500

tgcatggtgt atgaaaagct gggggaacaa gtctttggca ccacagggaa 550

gttcgtaatc tttgg 565

<210> 511
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83, 114
<223> unknown base

<400> 511
agtcggcttg aacttcgtga gtttcgcttt aaactgccct tgaaatgaag 50

tggacttgga ggggcatgga atattcacat ggnagagccg catgaggccg 100

cccaccacgc ttcntgaagg atgcccgtgg gaagaatttt gacgtgccag 150

tgtcctcgtt ctacagggtg ttccattctt ccgcaatctc agaaaaatgg 200

gactaaaaga aacttatttt gtaaaataag aagacttcca tttttaatga 250

ccaacatgta ttaagatgga cacctactct acgaaacacg aagttctatg 300

gtctcgaaga agcccgtgcc tgtttgaaac tgatcctaac taaaaacaga 350

cttgagtgga tatgagaatg ttggttagtg gcagaagagt caaaaaatgg 400

cagttaatta ttcagttatt tgctacttgt tttttagcga gcctcatgtt 450

ttttgggaa ccaatcgata atcacattgt gagccatatg aagtcatatt 500

cttacagata cctcataaat agctatgact ttgtgaatga taccctgtct 550

cttaagca 553

<210> 512
<211> 544
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 53, 63, 78, 111, 150
<223> unknown base

<400> 512
ttggaacaa ttataataaa gccancttta acccattgag agcataagga 50

tgntgcaaag gcncagtgct ggatgganag gacagtgcct ggggcagtca 100

tggaagactt ntttaggagg tgactttta aggggttttg tgatcaaaan 150

tatggagtct taagtccaac cagtggttat gaattccggt tctgccactt 200

gctataatag ctgtatcacc atgagcgata acttaaccto tttgtgcctc 250

agtttcttca tatataaat ggggatcatg atagctctgt cccaggggag 300

ttaggaggat taaatgcaac agtaatccaa cccacagtat gaaaagacag 350

gctagcacat acaacacaat ctataaatgt ttgctattat tgtcatcctt 400

tttattagta tatcatggta caagtttgct gggtagaaag atggcgatgg 450

ggaaggggac atttcaggcc aatgtgataa taaaatcaac agacaaaaga 500

agggagagtg tggtgagtag gataaagctc tgtacagatg caag 544

<210> 513
<211> 118
<212> DNA
<213> Homo Sapien

<400> 513
atttaacttt cccctttaaa aggaattggc tatagaactg cttcgtaaag 50

atgcttcttg atattttact tttgttcctt ttccctaatc attccctttt 100

ttccccactc ctccagaa 118

<210> 514
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 56, 60, 82, 85, 115, 122, 152, 185, 187
<223> unknown base

<400> 514
tccccgtggg gacttgggat cccagacgtt aaantaggag ccggaaagag 50

ggaggnttn ttcttgcctg gaagttgcct gngtntttgt accaccccag 100

ccctcccacc gtggngggac cntcggcagt gacggcccac agtgccacgt 150

gntcccagaa cccagaggga aagcatcacg gttcntngtt gacagctccc 200

agtcacacaa tccccacgtg tcctgtcatt tcctaaacaa ggtttcatca 250

cccagatttag acccacctgc ttttctctct tttctgcttc ttccagagat 300

tctttttagtg tcttcattta actggtcacc acttctatca tgtttctggc 350

cctttctta ttctccttag cctcatgttc tgtggtatcc agttctgact 400

tgacagacat gagcttttc tcagctttct ccttcatctt ctccagttgg 450

tctctggatt tgtttagatc ttcaatggct ttagtctgtt ccaaagtttt 500

aatcttcagt tcattggtgt cggccagttt ggctttgagc tcggtgtgca 550

agtctcg 557

<210> 515
<211> 348
<212> DNA
<213> Homo Sapien

<220>

<220> unsure
<221> 37, 72, 182
<223> unknown base

<400> 515
tcagccttc tatggaaaca actttgagga tgagccncct ttattaaaaa 50

aattaggtat caattttgac cncatctggc aaaaaacact aacagtatta 100

catccgttaa aagtagcaga tggcagcatc atgaatgaaa ctgatttggc 150

aagtccaatg gttttttgcc ttgcttttgg anccacattg ctactggctg 200

graaaatcca gtttggctat gtatacggga tcagtgcaat tggatgtcta 250

gqaatgtttt gtttattaaa cttaatgagt atgacaggtg tttcatttgg 300

ttgtgtggca agtgtccttg gatattgtct tctgcccatg gcggccgc 348

<210> 515
<211> 428
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 86, 307
<223> unknown base

<400> 516
ttcatgggag gacatggaga tcatgggaag catatctatg actataacct 50

aaagctgaag ccgtgtgatg gcccagtctt gattantgag ccagcgctga 100

acccactggc caaccggcaa cagatcacgg aaatgttttt tgagcatctg 150

ggtgttcctg ccttctatat gtccatccag gctgtgctgg ctctctttgc 200

tgctggcttc actactggcc ttgtgctgaa ttcaggtgct ggggttaccc 250

agagtgtgcc catctttgag ggttactgtc tgcctcatgg tgtgcagcaa 300

ctggatntgg caggccttga cctcaccaac tacctcatgg tgctaatgaa 350

gaaccatggt atcatgttgc tcagtgcttc agacagaaag attgttgaag 400

acatcaagga gagcttttgt tatgtggc 428

<210> 517
<211> 393
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 155, 159, 191, 255, 297
<223> unknown base

<400> 517
atatgtgaaa tattggcagt cgaacatgaa caacggtcaa gatgttccag 50

gcacataaga ggcgattaga gaggccaggt ttatacacaa tataccattt 100

tctgtagtcc ctattgtcat ggttaaatta ttctctaagt gtattctggg 150

tgcanagang catgggctct gtcagtttct gggaaacttt ntgcaccxta 200

taaacacaat attttttcttt gttttcacac attcaccatt ttgctggcac 250

ctttntgaag tagtgttgtc ccggtatcag cctttgcaat atgttanaga 300

tgtactgtct gccgcatttt gcactggttt tctcttttca tttatgatta 350

ataatgtgta tacgttattc ctttttatta tctactgtgt aag 393

<210> 518
<211> 245
<212> DNA
<213> Homo Sapien

<400> 518
ccccccttat cgatttttca aaaataatt tttctaatta agatatgtgt 50

atatgttttta acatcttttca gaaacataaa attgaatgaa aagagtaatt 100

tgcagaaaca catgcaatat aatttattgt gcatttttaa acacacaaag 150

caggactaca tgatgttcat gtgtgcgtgt gtatatatat atatatttaa 200

acacacagac aggcggggca tgatggctca cgcctgtaat cccag 245

<210> 519
<211> 585
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 54, 66, 128
<223> unknown base

<400> 519
gatcactggc ccaccgcca aggattgcct agatgataat ttacaagnac 50

cacnactttta gatttncctt attgatgtta agataccaaa ccaagtaagt 100

attaaatca gctaaacctt ggacattntg ggaatatata atcatttgat 150

aatgcataag aataggaaaa aattgaatgt gtttatgact aaagtttttat 200

attgtggta atgttaaaat gtattattaa atatgttaaa attattttat 250

ttttttcccc tttgagaggt aaagcctaat acttctcccc ttgaatatgg 300

gctagactta tgagcacatt tctaatgaac agagaaagtg gatgtggatg 350

tgacaatgtg tatgttggaa gactagacaa tatcagagat gaacatgatg 400

gtgaaagaaa ataaaagaag aaagctagtt aataaaaggc accattgttt 450

cctcctattc ctctcctcc acctctttaa ctctctctcc ctctctctga 500

tcaacagctc tagcaaaagc cagatgctat gcggtgcgga ctttcaggca 550

gctttgtagg gagatacatg tggcaaggaa ctgac 585

<210> 520
<211> 474

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68-69, 214
<223> unknown base

<400> 520
tggcttgtag ccccatccaa ataacagcgg ggaggagcgg agcctgtggt 50

acgcaaccca ttacccnnt gatgagagaa aactttatc catgacccag 100

gatgactaca aaccatctga tggcctgctg gtgactgtga acggcaaccc 150

cgtggattac cacaccatcc acccaagcct gcccatggag aacggccctg 200

gcaaagccga cctntactcc accoctcagt accggtggga gccctctgat 250

gaatcctcag aaaagcgaga ggaggaagag gaagagaaag aagaatttga 300

agaagaaagg agccgtgagg aaaaaagaag tatcaaagtt catgccatgg 350

tctccgtatt ccaatttatt atgaaacaaa gttacatctg tgccctcata 400

gctatgatgg cctggagcat cacctatcac agctggctga ccttcgtgct 450

gctgatcctgg tcgtgcactc tttg 474

<210> 521
<211> 625
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 63, 116, 126, 148, 190, 193, 213, 222, 262
<223> unknown base

<400> 521
gaatttttc gaaaagctaa tgccccatt tggatgtcat ttaccattca 50

cctttaata ttnggggca ttttgggatc aaattatcct gatgttttc 100

aacaaagact tgaganaaaa taaggngcat tactttttt ggacattntt 150

ctttagacc tattgtgagg tgtttgcccn ccattagaaa ttnccccaaa 200

tggttgaaaa ttnttaaaca gnagaaggaa gagactcaaa gttagcatca 250

caaagagaaa cncgatgctg gaaagggaga ttgcattctc aatccgggat 300

aatttcatgc agcagaaggc tttcaagtac atgtcagtga ttcaggcttt 350

tctcggttct gttccacaat taattttgca gatgtatatc agtctcacta 400

tacgagaatg gcctttgaat agagcattgc tgatgacatt ttccctgtta 450

tcagttactt atggggccat tcgctgcaat atactggcca tccagatcag 500

caatgatgat actaccatta agctaccgtc gatagaattc ttctgtgtcg 550

tgatgtggcg ttttttggag gttatcttac gtgtagtgac tctggcattg 600

ttcattgcat ctctgaaact gaagag 626

<210> 522
<211> 566
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 43, 100, 103, 116, 142, 216-217, 227, 233
<223> unknown base

<400> 522
aaatgttttg acaaatcaca agaaagtttc aaaaatttgg gnntattagt 50

ttgaaaaatt gttttcagtt cacttgtgat ttcttgttta attcactgcn 100

gaaaggattc ttttanactt tccaaggatc ttaaagctat cntacctagg 150

aatgagaatt atggtgttcc atgacaactt tgaataagta ttccctaaag 200

ctaagaggaa attctnncaa taatgantcg ggncattgct attttgggaa 250

agtaaaagcg gaaaaagctt gacgacactg aaaggcttgt tgagatggaa 300

caagtctct cttcacttaa caagatgaga aagacaatag gtggtgtggc 350

tctctgatga cagcaaatct gcgcaattgc aagggttcgc ttgttaaagt 400

taaagaatga aagaaaagct cttttagcac tgctattaat tctaatggct 450

ggatttgcc ctcttcttgt ggagtatacc atggtgaaaa tatatcaaaa 500

cagttatacc tgggaacttt ctcctcattt gtatttcctt gctcctggac 550

aacaacaaca tgaccc 566

<210> 523
<211> 503
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 67
<223> unknown base

<400> 523
ccttattgat gttaagaaac caaancaagg tatgattaaa aatcagccaa 50

acctttggac attctgngaa tatataaatc atttgataat gcataagata 100

ggaaaaattg aaatgtgttt atgactaaag ttttatattt gtggtaatgt 150

taaaatgtat tattaaatat gttaaaatta tttcattttt ttcccctttg 200

agaggtaaag cctaatactt ctccccttga atatgggcta gacttatgag 250

cacatttcta atgaacagag aaagtggatg tggatgtgac aatgtgtatg 300

ttggaagact agacaatatc agagatgaac atgatggtga aagaaaataa 350

aagaagaaag ctagttaata aaaggcacca ttgtttcctc ctcttcctcc 400

tcctccacct ctttaactct ctctccctct ctctgatcaa cagctctagc 450

aaaagccagc tgctatgcgg tgcggacttt caggcagctt tgcagggaga 500

tac 503

<210> 514
<211> 447
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 43, 96, 344, 418
<223> unknown base

<400> 514
gagggtagga tccgcaagcc cctttcgcga agcccgagng agncccgggc 50

gacaggcagg cagagaatat gttattccca tcctttggcc cacaanattt 100

atggcagaga tggtggattt ctttattctc ttctttataa aagcaaccat 150

tgtcttaagc attatgcacc tcagtgggat aaaggatatc tctaagtttg 200

ctatgcatta tataatagaa gaaatagatg aagacacatc aatggaagac 250

ttgcagaaaa tgatggttgt ggcacttata tacagattat tagtttgttt 300

ctatgagata atttgcattt ggggagcagg tggagctacc ccanggaagt 350

tcctgctggg gcttcgagtt gtgacatgtg atacatcagt gcttattgca 400

ctaagtcggg ttttagtnat tccttcctca aatgttagca ttacaac 447

<210> 515
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 105
<223> unknown base

<400> 515
caagataaaa tatatggggg aagatgtaga aatgtgacag tttggcaaaa 50

acaaagttct cccaagattt cagcacgttt gcagcggaaa ttcaggaaac 100

catcncagca ctcagagagc agataaacaa gctggaggca cgcctgaggc 150

aggcagggtg tacagatgtt agaggggttc caaggaaggc cgaggagcgc 200

tggatgaaag aagactgcac tcactgcatt tgtgagagtg gccaggtcac 250

ctgtgtggtg gagatttgtc ccccggctcc ctgtcccagt cctgaattgg 300

tgaaaggaac ctgctgtcca gtttgcagag accgaggaat gccaagtgat 350

tccccagaga agcgctaata aaagttttgt gctgttgagc cccaatggg 400

aaatttctca ggaagagaca tttaggactt cagaactttt aacttgtagt 450

cacattgttg atatggaaac cactgactta agcaacttag ttcatctaat 500

cttacatata cttacgatct tttatttttt cattttcta 539

<210> 526
<211> 456
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 109
<223> unknown base

<400> 526
gaactgaaga gaaagtttat ntttttcata taatttaagg gtcgtttctg 50

tgaaccatg cttcatgtct ttttcacttt tttcaattgt ctcattttcc 100

toaaaatana ggcactgttt atgtattaca gagattaggc ctttgtcatt 150

agtcttttcc tgtgaacgag atcacataga ttatttgttt cttttctggc 200

tttgaattt cagccatcat tttaaaaaat acttccccat ggtttttgtc 250

cagtctttt gtaacttctt gttctccatt tcaatattgg atgtttggct 300

tttgttcctt tgcgtgtttg gtatgcgata tggatccccc ttagtctttt 350

tgtttagcat caatatattt attttttatac tgtccttcag attgatgatg 400

attccagag ttcttggggc tttaatgcct gttgcgttta cagactctca 450

tccagg 456

<210> 527
<211> 500
<212> DNA
<213> Homo Sapien

<400> 527
cttatgtttt cttccctcc ctaaatttga agaactatgg agaaaatggt 50

aattgatgac agtagtggtt ttaataggac taacagtacg atggcagtgt 100

ctattaattc ttattcaggt gctggtaacc cgcctatgtt tggtgattat 150

gaagctaga gacactggca agaaataact tttaatttac cggtcaaaca 200

atggtatttt aacagcagtg ataacaattt acagtattgg ggattggatt 250

aaccacttct tacagcttat catagtctcc tatgtgcata tgtggcaaag 300

tttataaatc cagactggat tgctctccat acatcacgtg gatatgagag 350

taaggcacat aagctcttca tgcgtacaac agtttttaatt gctgatctgc 400

tgatttacat acctgcagtg gttttgtact gttgttgctt aaaagaaatc 450

tcaactaaga aaaagattgc taatgcatta tgcatcttgc tgtatccagg 500

<210> 528
<211> 512
<212> DNA

<213> Homo Sapien

<400> 528
ccacaatgaa aaaaaaaagt cttgttggat aatagtgttt gactagcgtt 50

ttaagaactt gagagtaaaa gcaccaataa gatttttca cttttcctg 100

cttccacccc caaactgaga acatccactc aattgtttgg aagaaactgt 150

aggtctatat aaatttatt tataatgtat gtgtaatata cataatcata 200

atacagttct cagatgcagg gaagaagttt ggcatttaat cattgaggct 250

ttaggttttt gatgtgatca gactgggcca tgtcaaaccc ggaattttca 300

ccaacagttc actcaccctc ctggtacatt gccattccaa ggaattctga 350

gagtaggcaa acaaattttg ccttcatggt acagttctca gtttttctta 400

taggagaaat atggtatatg tttataagaa tcttttatga gattatagat 450

ttcaatgctg tggatagtgt cttgcaccca aacaagaaag tccataatgg 500

aatgatcttc cc 512

<210> 529
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 82, 196
<223> unknown base

<400> 529
tccaagtcct tgaacatctt tggttttttt ggagtgtcca aacccatgtt 50

tagtaaggc acatggaata ctcatgtaat gnaggaaaag tctatatctg 100

cagctggacc cagccatacc aggagtgatt ttggaaatcc atacccgttt 150

gggattgatc cgatttggaa cttggcttca aacaaactca catttntgaa 200

ctcgtataaa atgaagatgt cggtgatcct gggaattgtc cagatggttt 250

ttggtgtcat cctcagcctt ttcaatcaca tatacttcag aagaactctc 300

aacatcattc tgcaatttat ccctgagatg attttttatcc tgtgtctgtt 350

tggatacctg gttttcatga tcattttcaa atggtgctgc tttgacgtcc 400

acgtatctca gcacgccccc agcatcctca tccacttcat caacatgttt 450

ctgtttaact acagtgactc ttccaacgc 479

<210> 530
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 68, 72, 83, 149

<222> unknown base

<400> 530
gcctttagtt tccagctact tggaaggtta aggtaaaagg atccctttgg 50

gcccgnaggt tgaggctnca gnagttgaga tcncaccatt gcattccatt 100

ttgggtgaca caagcgagag ctatctcaaa accaaaaagc aagccaaanc 150

ccaccaagac caaaaaggtg acttccaggg ctgccccagc taggaacact 200

ccagaaagca gacaaggaaa accgagtgtg aagagtccct ttggagattg 250

tcatggccat gtgacattcc tttggcctga actcagtcac atgtcccctt 300

cgagatgcag gggggacctg ggaaatgtag tttctggctg ggcagctgct 350

ttctagcaat agcactctac tgcagaagag gagcaggagt ctgtggtgca 400

aagccagtca ggcctgccac agatactgca ccatttacaa aaatgctttt 450

acaatcattt catttgcttc tcatcacaat ctataccatc agctatactg 500

tcctcatttt tca 513

<210> 531
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 53, 454, 461, 482
<223> unknown base

<400> 531
gaatggagga aattgctttc acttcaagac tttctttttt tcactaaaac 50

ttntaaaggt gtacaagggg agggaagggg ggcaaagtcc ttgaacattt 100

tctttggctc ggccatgtta tgatcatata ccttttaaat aagggaaat 150

agtatcttta aagttaatgt ctagccaaga gtttagtaaa cgaagaatta 200

aacngcactg ttgatcggtg ctttgtgtaa atacatcttt aacatttggg 250

tgggagaggg ccttaagaag gacagttcat tgtaggaaag caattctgta 300

gatgagttta agcattcttg ttgcattgtc tctgcagatt ctatttttgt 350

ttacaatatt aaaatgtatg ttagcaaaat gggtggattt tcaaataaaa 400

tgtagcttcc acaaaagttt tgttatggta ttctggtctg agatgcattt 450

tgaattttcc nttctcttttt tattatcaat antgtcattt ttccctaata 500

aaatataccc agg 513

<210> 532
<211> 494
<212> DNA
<213> Homo Sapien

<220>

<211> unsure
<212> 35
<223> unknown base

<400> 532
gctgtcctga gcagttgcag aagcatcgag ggtgnagagg agcacatact 50

atccatggag tggtggtcaa ggtggacagg gggcgggtgg tgatggcgca 100

gtttgacatt gaataccagc gcctagaggc ctcctatagt gattcacccc 150

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gnggactatg acatcctatt tgccaacaag atggtgaacc acagtcttca 400

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aagtctgtag tgccaggatt caggaaaatg gctc 484

<210> 533
<211> 558
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<213> Homo Sapien

<220>
<221> unsure
<222> 93
<223> unknown base

<400> 533
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atcctgtgcc aaacactcca gttttgcaat gagattgtga ggaaggagaa 150

ggcaaggatt ctgttccaat gtttggtccc agaggaccta gaatagtact 200

ttgacgggt aagcgcttaa taaaataatg cttactctta tgaatttagc 250

tgcagaaaca tttagtccca tagacaatat gtgtagaatg taaaaaatgc 300

aaatcttact aaaagaatat acaggaaaag ttctccctac tccttcctga 350

aagggagcca gtgttattag ctcgtcatgg agattgtctg tgctcatgca 400

agcatctccc tgcatgtatg tcctcttgct ttcgtgcaaa gaatagcatc 450

ctacacacac cttttagccc cttgcttttc ggttttgtgt attttgcaga 500

tgggtcatt ttgtgcacac agtgctattt tattctttt tttgtttgtt 550

tcctcctg 558

<210> 534
<211> 462
<212> DNA
<213> Homo Sapien

<220>
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<222> 55, 91, 156, 193, 215, 281, 395, 399, 444
<223> unknown base

<400> 534
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tcttgngaag gctagtggag acttgggtaa acactattta tgngcaaaaa 200

tggacatgcc ttttnttaa ggaggaggca ttgagacaac tctgtcaggt 250

tttgttgtta gtatggttac tctcaaaaag nacataattc aaattcttcc 300

agtattattt ttttgcttag tggctggttt gttggagagt ttttctcagt 350

gtctgttcaa atcacagtta ttggtctttt ctttgtgcct acgtntaana 400

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gttacttgtt cc 462

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<212> DNA
<213> Homo Sapien

<220>
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<222> 94, 110, 156
<223> unknown base

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cttngttttn tgctggctgc cattctttac agaaagggac caccccctgc 150

aggttntaag aagactcttc ccggttgatc gtggattatt tgaggataaa 200

gtagccaata tttggtgcag cttcaatgtc tttctgaaga ttaaggatat 250

tttgccacgt cacatccaat taataatgag cttttgtttt acgtttttga 300

gcctgcttcc tgcatgcata aaattaatac ttcagccctc ttccaaagga 350

ttcaaattta cactggttag ctgtgcgcta tcattctttt tattttcttt 400

ccaagtacat gaaaaatcca ttctcttggt gtcactacca gtctgcttag 450

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<210> 536
<211> 511
<212> DNA
<213> Homo Sapien

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tggtgcacgg aggccctgcc gctctcagtg acggcgctgc tgcccatcgt 250

cctcttcccc ttcatgggca tcttgccctc caacaaggtc tgccccagt 300

acttcctcga catcaacttc ctcttcctca gtgggctgat catggccagc 350

gccattgagg agtggaacct gcaccggcga atcgccctca agatcctgat 400

gcttgttgga gtccagccgg ccaggctcat cctggggatg atggtgacca 450

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cctcccattg c 511

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<212> DNA
<213> Homo Sapien

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<222> 51, 70, 105, 134
<223> unknown base

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aataatggaa ctaaatagta ctaaccaaag tatagggtgc tttatgattt 200

aaagaactct cttacaggca gtatgttgtt caggcgccac tagaacccac 250

gtaatggcag aggcttcctg ttccatgttt aaaaaccttt ccaaggcttt 300

tcattatttt cttatctgtg gtacccctag cttcctgtgc tctagacaca 350

ctggcctacc ttcaacttcc ttgaccagtg tagcttacag tgtaagctta 400

cctcacaccc ccacctcctg caataaaata gtagcatcgg c 441

<210> 538
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<212> DNA
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<220>
<221> unsure
<222> 55, 76, 126, 175
<223> unknown base

<400> 538

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gagtaatttt taaaagatat cagatncatt ttgctattca aagaaaatta 150

tgatttaaag ccacttttta aaatncgaga aggaaaatag gatggattaa 200

ggggttaact tttaaagatt attattggtt aatgttgaca tatttcctct 250

atctcataga tggtaaaagt gttgctttta aaaactggca aatgcactct 300

tcagaaatcc ttttctatct gatccacatg gagaggttaa aggttcaatt 350

tcatgacctc tatgcaggca gcgctctcat tggatgtaag aatattacct 400

gcaaggatag aatgcagttg tgcaacagag acacattctt atttcacttt 450

tttcacaatt ttgttttgtt tttaatgacc cttttattga atattgg 497
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<210> 539
<211> 362
<212> DNA
<213> Homo Sapien

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<221> unsure
<222> 42, 106, 132, 134, 184, 199, 208, 240, 250, 253, 256, 268, 307,
      313, 355
<223> unknown base

<400> 539
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ctttangatc ctggttcttc ccgttgtctt tnanacggag aagttgcaaa 150

tggagcaaca gcagcaattg cagcagcggc aganactttt aggcctaana 200

cagggctntc aggaggaatg ccaggggctt taccctcacn tcctggaaan 250

atntanattg ttattgcngt ttgagctgtc tcagtgggat aagtttgaaa 300

ttcaagngtt tgaactgntg aaaattggaa ttttttttt aactttggca 350
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<211> 441
<212> DNA
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<220>
<221> unsure
<222> 42, 44, 47, 67, 341
<223> unknown base

<400> 540
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cacgccttgc catttttttg cttttttactt ggcaagtgtt ttaaaaaagg 150
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cctcaaagga aaggggtttg tgttgctagt taagctagct tgtattgttg 200

tggcttcctt cgttctctgc tggctgccat tctttacaga aagggaacaa 250

accctgcagg ttctaagaag actcttcccg gttgatcgtg gattatttga 300

ggataaagta gccaatattt ggtgcagctt caatgtcttt ntgaagatta 350

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tttttgagcc tgcttcctgc atgcataaaa ttaatacttc a 441

<210> 541
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<212> DNA
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<221> unsure
<222> 45, 53, 55, 95
<223> unknown base

<400> 541
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 ttttcagttg tttggtttc ttttctttc ccctccggt cccatacttc 150

 aaacactct ggtgcgggaa gaagcagaag 180

<210> 542
<211> 318
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57
<223> unknown base

<400> 542
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 tttgtggacc tgattgacaa cttcaaccaa actcacaaat atgctccatt 150

 catcatcatc gggcttcatt tagctttggg gatcttttct ttcactcttg 200

 acaactggag cacatcccga ggagacacag ccgagatact aggaagtggt 250

 gctggaattg catgtggatc tcatgttact tataacatgg gtctagtatt 300

 agatccttct ctagatac 318

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<212> DNA
<213> Homo Sapien

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tctgtgctgc tggcccttcg tttggatggc atcatacagt ggagttactg 150

ggctgtcttt gctccaatat ggctgtggaa gttaatggtc attgttggag 200

nctcagttgg aactggagtc tgggcacgaa atcctcaata tcgagcagaa 250

ggagaaacgt gtgtggagtt taaagccatg ttgattgcag tgggcatcca 300

cttgctcttg ttgatgtttg aagttctggt ctgtgacaga atcgagagag 350

gaagccattt ctggctcctg gtcttcatgc cgctgttctt tgtttc 396

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<211> 351
<212> DNA
<213> Homo Sapien

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ttaagaagga cagttcattg taggaaagca attctgtaca tgagtttaag 150

cattcttgtt gcattgtctc tgcagattct atttttgttt acaatattaa 200

aatgtatgtt agcaaaatgg gtggattttc aaataaaatg cagcttccac 250

aaaagttttg ttatggtatt ctggtctgag atgcattttc attttttcctt 300

tctcttttta ttatcaatat tgtcattttt ccctaataaa atatacccag 350

g 351

<210> 545
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 298, 323
<223> unknown base

<400> 545
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tgcccaaagg actagtttga aagcttcttt taaaaagaat tcctctaata 200

tgattttatg tgagaaggga taatacatga tcaaataaac tcagtttttt 250

atggttactg taaaaaagac tgtgtaaggc agctcagcac catgcttntc 300

gtaaaagcag cttcaattat ccnctggggt tatcttttga caacttgcca 350

ttatctgatg ttacacaatt caatagcaag caagtttgag acaatcgc 393

<210> 546
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 47, 99, 102, 129
<223> unknown base

<400> 546
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cntcagtcta ttaattattt ttctgttana ccctgccaaa aaagaatttt 150

aaaagtiagt ttatgttttg tgtaaccatg ttcttcagaa tgcaggtatg 200

tgacoatcat ggtttctggg taattctgct gctcctgtct ttgaaaatgg 250

agataccact tgcagcttat cccactgctg agtattccag cattggtagt 300

ggtttcnctc cattgcatcc atccagaact ttcacacagg cctcccccga 350

acccttgcg gcgcaagggg ttcg 374

<210> 547
<211> 251
<212> DNA
<213> Homo Sapien

<400> 547
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tgtactttc caactatcc aatttcaaga tgtatccttt gtggattaca 150

ttgtttcttt tctatggaat catgcacctt agacctggga gaaaccagcg 200

tgacatccag ggtcaaggtt ttccaatcag gtattttggg caagggttc 250

g 251

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<211> 331
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 77
<223> unknown base

<400> 548
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tttctgtttc tccctctgca gagttgttag cggttctcga gatgccactc 150

ttagggtttg ggatattgag acaggccagt gtttacatgt tttgatgggt 200

catgttgcag cagtccgctg tgttcaatat gatggcagga gggttgttag 250

tggagcatat gattttatgg taaaggtgtg ggatccagag actgaaacct 300

gtctacacac gttgcagggg catgcggccg c 331

<210> 549
<211> 228
<212> DNA
<213> Homo Sapien

<400> 549
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catttgaggt tccccttcct ctcatgtggt tgattttttg gaaggtgata 100

cagatgtggg taaccatgca aatgtttatg aataacttta ctgaagtgat 150

tccatccgta ttctgttcta atacttggag aatgacctta atatttatat 200

atttattttc tttgtttcaa ctatccag 228

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<211> 461
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21
<223> unknown base

<400> 550
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tctggcccca ctccatttgg atgcaaggat ttcactttct acccttcagc 250

agcagctggg ccagcctgag aaagctctgg aagctctgga accaatgtat 300

gatccagata ctttagcaca ggatgcaaat gctgcacagc aggaactgaa 350

gttattgctt catcgttcta ctctgttgtt ttcacaaggc aaaatgtatg 400

gttatgtgga tacccttactt actatgttag ccatgctttt aaaggtagca 450

atgaatcgag c 461

<210> 551
<211> 205
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 41, 66
<223> unknown base

<400> 551

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gagttcacta cttctgttca ctttgagtct cttcaaatgg attctgtgtc 150

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cagag 205

<210> 552
<211> 331
<212> DNA
<213> Homo Sapien

<220>
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<222> 33, 55, 56, 81, 90, 162, 164, 166, 170, 206, 245
<223> unknown base

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aaatatttct anananggtn ttaatccttc ttccaccatt tgctttagtt 200

ttaagngccc tgtgtgatag aagggttcat gttgtaaaat cagtnttgaa 250

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tgcttctaaa tgtcttcctc ctcattctgc g 331

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<212> DNA
<213> Homo Sapien

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<221> unsure
<222> 60, 64, 74, 101, 117, 142, 188, 290
<223> unknown base

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acccacttt ctcccaagtg ttccaggcag atggagtatg cacatggctc 250

actcttttac ttttttaagtc tctgctcaaa agcaaatttn tcagccatgg 300

ntttcctgag cacctattt aaaattgctt tcctactcct acatggctgt 350

tctccttgc ttaccaccac 370

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<211> 310

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tcgaaatcaa agataagatg cttatagaat tttatgagtc accagatcca 200

caaagaagaa aaagatttcc tgggaaaagt gttaattcca aattaagtat 250

caagaagact ttaccatcaa tgttgatctt aagtggtttg actgcaggca 300

tgcttatgac 310

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<11.> 20?
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<..> 3?, 39, 62, 79, 109, 129
<....> unknown base

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a? 202

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<1.> DNA
<1..> Homo Sapien

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<21.> unsure
<..> 159
<....> unknown base

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tgtggggrgt tcttggaata tcttgtgact gcgacctcct agggtcactg 150

gcattttgnt tagctataaa ttataaacag atggaacttt accacgcctt 200

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cctgcttcct gcatgcataa aattaatact tcagcc 536

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<01J>
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<01J> 68, 119
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<01J> Homo Sapien

<02J>
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<02J> 25, 40, 59, 97, 103, 117, 141, 156, 153, 169, 192, 215, 266, 482, 484, 558
<02J> unknown base

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gggaaggtga ggcgangtgg ggagttggca gaatccccat acctcgcaga 300

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aacactantt ttctgatatg agggcagcac ctgcctctga atgggaaatc 60.

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<210> 559
<211> 536
<12> DNA
<1> Homo Sapien

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<21> unsure
<22> 34, 68, 70, 113, 119, 150, 291, 312
<23> unknown base

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catgtgtact ttttattgtt acttaatagt gatggatttg cacttttcta 450

tcctcatact ctttcctgtt ttcttctttg tacaattgca tgcaggaggg 500

ctggatgcca gggttaagag agaaattcat gacaaggaag gtaaaattgg 550

ttcaatgag catgtgtccc acagccttag tctccc 586

<210> 550
<211> 648
<12> DNA
<1> Homo Sapien

<220>
<221> unsure
<222> 71, 102, 113, 149, 157
<223> unknown base

<400> 550
ccgggaaatt aagcccttt tttttttttca aataataaaa gcttcgaaat 50

tgaaagggag aagtaaatat nccggatacc atgatttaat atgtagaaat 100

tntaagagat tcncaaacca ttaaagataa aagccagttc accaaagtna 150

aggatgnaag atcagtgtac ataaatctgt tttatttcca tatacttgca 200

aagaggaatc ccaaaactga gattgaggaa agcatatata atagcatcaa 250

aaagtagtac aaaacatata ctctgaaaac tgcagaatgt tgagagaaat 300

taaataagta aatagataat cccatgttca tctagccaga ggactcatgt 350

attttggtta ttaacccctg atcagatgta tggtttgcaa atatttctc 400

ccatttcata cattggctct tcattctgtt gattgttctc ttcctgtaca 450

gaagttttta agtttcatat ataattttag tggtctattt ttgccttcgt 500

ttcctatgct gtcggggtca tatctaaaaa aggtcatcgt gcagaccaac 550

gtcatggaga ttttccctgt gtttccagta gttttacagt ttgggtctt 600

Acatataagt ttgtttctt tttttcgaga tggaatcttg ctctgcgg 648

<210> 561
<211> 322
<212> DNA
<213> Homo Sapien

<400> 561
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ttccaggcac agaactccgg gctgctcagg aagagactat gattcttcca 200

cctgccagct actattggcc atccttctc attgcttcta gctccagcct 250

tttcatccca attctctatt ctacattgtt atttctaacc cattgtgtgc 300

tgggaaatca aaccactcag ca 322

<210> 562
<211> 275
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 13, 206, 237
<223> unknown base

<400> 562
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cagagagtct atgtatggga ttgaacaatc tgtaaactaa aggatcctaa 100

tcatgaaaat aagtatgata aattataagt cactattggc actgttgttt 150

atattagcct cctggatcat ttttacagtt ttccagaact ccacaaaggt 200

ttcgtntgct ctaaacttat ccatctccct ccattantgg aacaactcca 250

caaagtcctt attccctaaa acacc 275

<210> 563
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide probe

<400> 563
tgtaaaacga cggccagtta aatagacctg caattattaa tct 43

<210> 564
<211> 41
<212> DNA
<213> Homo Sapien

<220>
<221> Artificial Sequence
<222> full
<223> Synthetic oligonucleotide probe

<400> 564
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